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1921/22

# The University of Buffalo Bulletin

College of Arts and Sciences

Catalogue for 1921-22



BUFFALO

Published January, April, July and October of Each Year

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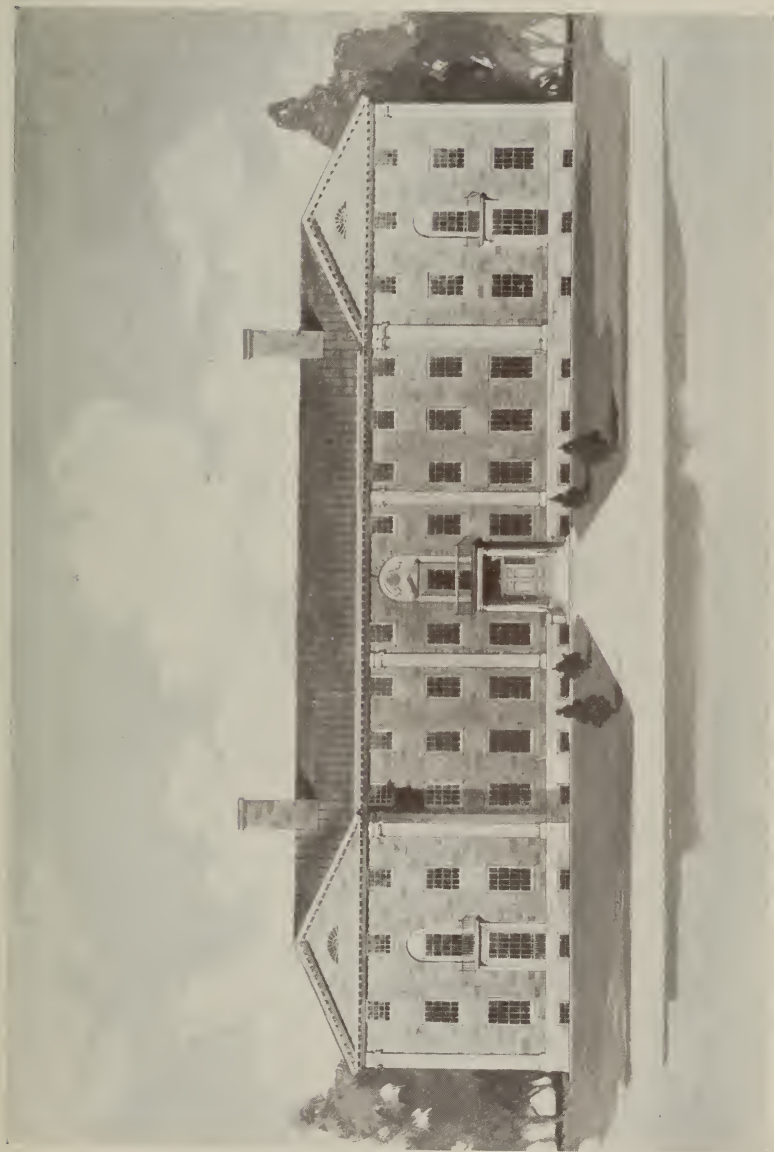
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## CHRONOLOGICAL TABLE

- 1836—Subscriptions were received for the Western University; but the project was temporarily abandoned.
- 1846—A charter was granted to the University of Buffalo. Millard Fillmore was elected Chancellor.
- 1849—First building built for higher education in Buffalo was dedicated, and occupied by Medical Department.
- 1874—Orsamus H. Marshall was elected Chancellor.
- 1875—Medical Alumni Association was organized.
- 1876—First degree was conferred upon a woman.
- 1884—E. Carleton Sprague was elected Chancellor.
- 1886—Department of Pharmacy was organized.
- 1890—On the initiative of the University, the State Legislature passed a bill separating the teaching and licensing authority in medical practice.
- 1891—Buffalo Law School, organized 1887, was added.
- 1892—Department of Dentistry was organized.
- 1893—New Medical building was dedicated.
- 1895—James O. Putnam was elected Chancellor.  
Teachers' College was organized.
- 1896—Dental Building was dedicated.
- 1898—Teachers' College was discontinued.  
State Legislature granted to University first appropriation ever made from public funds for combating cancer; Cancer Laboratory was inaugurated in the Medical Department (now New York State Institute for Study of Malignant Diseases).  
Medical Department of Niagara University was merged with the University of Buffalo.
- 1902—Dental building was enlarged.  
Wilson S. Bissell was elected Chancellor.
- 1903—George Gorham acting Chancellor.
- 1904—Extension lectures were established.
- 1905—Charles P. Norton was elected Vice-Chancellor.
- 1906—Degrees in chemistry were authorized.
- 1909—Part of Almshouse site (106 acres) deeded to University by the county.  
State Legislature passed a bill cancelling all of the stock of the University.  
Charles P. Norton was elected Chancellor.
- 1913—Instruction in Arts and Sciences was organized.
- 1915—Women's Union presented its building to the University, to house the College of Arts and Sciences.
- 1916—The University received its first gift for endowment—\$250,000 from Mrs. Seymour H. Knox.
- 1918—Law School occupied its own building.
- 1919—Balance of the almshouse site (44 acres) was purchased from the county, and a competition conducted for the best grouping of the buildings.
- 1920—First degrees were granted in Arts and Sciences.  
Ground was broken for the first building on the new site.  
A successful campaign was conducted for five million dollars for additional endowment and buildings.  
Walter P. Cooke was elected chairman of the Council.



FOSTER HALL  
Chemistry Laboratory, Gift of Orin E. Foster



THE GREATER UNIVERSITY OF BUFFALO

# The University of Buffalo

SEVENTY-FIFTH YEAR

## TENTH ANNUAL CATALOGUE OF THE COLLEGE OF ARTS AND SCIENCES

1921 - 1922



BUFFALO, NEW YORK

JANUARY, 1922



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# Calendar

1922

February 6.....Monday .....Second semester begins.

February 22.....Wednesday .....University Day recess. Public exercises,  
11 A. M., Teck Theater. Annual dinner,  
Federated Alumni Association,  
7 P. M.

April 13.....Thursday .....Easter recess begins.

April 17.....Monday .....Instruction resumed.

May 25.....Thursday .....Final examinations begin.

June 9.....Friday .....Seventy-fifth Commencement.

July 10.....Monday .....Summer session begins. (See separate  
announcement).

September 14.....Thursday .....Examinations begin for conditioned  
students.

September 25.....Monday .....Opening convocation.

November 29.....Wednesday .....Thanksgiving recess begins, 12:30 P. M.

December 4.....Monday .....Instruction resumed.

December 21.....Thursday .....Christmas recess begins, 8:30 A. M.

1923

January 4.....Thursday .....Instruction resumed.

January 24.....Wednesday .....Semi-final examinations begin.

February 5.....Monday .....Second semester begins.

# The University of Buffalo

## CHANCELLORS

1846-1874.....HIS EXCELLENCY MILLARD FILLMORE  
1874-1884.....ORSAMUS H. MARSHALL  
1884-1895.....E. CARLETON SPRAGUE  
1895-1902.....JAMES O. PUTNAM  
1902-1903.....WILSON S. BISSELL  
1903-1905.....GEORGE GORHAM (*Vice-Chancellor*)  
1905-1920.....CHARLES P. NORTON (*Vice-Chancellor*, 1905-1909)  
1922- .....

## THE COUNCIL

### TERMS EXPIRE 1922

JAMES H. McNULTY  
JOHN J. ALBRIGHT  
JACOB G. JOSEPH  
JACOB F. SCHOELLKOPF  
EDWARD J. BARCALO  
MRS. DEXTER P. RUMSEY  
\*FRANCIS E. FRONCZAK, M. D. '97  
\*JOHN LORD O'BRIAN, LL. B. '98  
\*CHARLES G. STOCKTON, M. D. '78

### TERMS EXPIRE 1923

EDMUND HAYES  
MRS. EDWARD H. BUTLER  
ROBERT W. POMEROY  
WILLIAM H. CROSBY  
DANIEL J. KENEFICK  
SEYMOUR H. KNOX  
\*PHILIP BECKER GOETZ  
\*CHAUNCEY J. HAMLIN, LL. B. '05  
\*GROVER W. WENDE, M. D. '89

### TERMS EXPIRE 1924

LOUIS L. BABCOCK  
EDWARD MICHAEL  
GEORGE D. CROFTS  
CHARLES CARY  
WILLIAM A. ROGERS  
WALTER P. COOKE  
\*A. GLENN BARTHOLOMEW, LL. B. '04  
\*FRANK H. GOODYEAR  
\*ABRAM HOFFMAN, D. D. S. '99

### TERMS EXPIRE 1925

THOMAS B. LOCKWOOD  
CHARLES P. NORTON  
MRS. STEPHEN M. CLEMENT  
ORIN E. FOSTER  
FRANK B. BAIRD  
\*ALBERT P. SY, Ph. D. '08  
\*NELSON G. RUSSELL, M. D. '95  
\*WILLIS G. HICKMAN, LL. B. '14

\*Members chosen by the alumni.

## Ex-Officio

HON. FRANK X. SCHWAB, *Mayor of Buffalo*  
DEAN WILLIS G. GREGORY, M. D., *Phar. G.*  
DEAN CARLOS C. ALDEN, LL. M., J. D.  
DEAN DANIEL H. SQUIRE, D. D. S.  
DEAN JULIAN PARK, Ph. D.  
DEAN C. SUMNER JONES, B. S., M. D.



## OFFICERS OF THE COUNCIL

### Chairman

WALTER PLATT COOKE, LL. B.

### Secretary

PHILIP BECKER GOETZ, B. A.

### Treasurer

GEORGE D. CROFTS, B. A., LL. B.

### Counsel

JOHN LORD O'BRIAN, B. A., LL. B., LL. D.

## STANDING COMMITTEES OF THE COUNCIL

### General Administration

WALTER P. COOKE, Chairman  
GEORGE D. CROFTS, Vice-Chairman  
PHILIP B. GOETZ, Secretary  
EDWARD J. BARCALO  
A. GLENN BARTHOLOMEW  
MRS. EDWARD H. BUTLER  
THOMAS B. LOCKWOOD  
JAMES H. McNULTY  
WILLIAM H. CROSBY, ex-officio  
EDWARD MICHAEL, ex-officio  
THE CHANCELLOR, ex-officio

### Finance

WILLIAM H. CROSBY, Chairman  
GEORGE D. CROFTS  
JACOB G. JOSEPH  
DANIEL J. KENEFICK  
ROBERT W. POMEROY  
WILLIAM A. ROGERS  
MRS. DEXTER P. RUMSEY  
JACOB F. SCHOELLKOPF  
THE CHANCELLOR, ex-officio

### Buildings and Grounds

EDWARD MICHAEL, Chairman  
SEYMOUR H. KNOX, Secretary  
LOUIS L. BABCOCK  
MRS. STÉPHEN M. CLEMENT  
ORIN E. FOSTER  
FRANK H. GOODYEAR  
EDMUND HAYES  
GROVER W. WENDE  
WALTER P. COOKE, ex-officio  
WILLIAM H. CROSBY, ex-officio  
THE CHANCELLOR, ex-officio

# Officers of Administration and Instruction

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## ADMINISTRATIVE BOARD

(With dates of expiration of office)

JULIAN PARK, *Dean of the College*

EDWARD J. MOORE, 1924

ALBERT P. SY, 1923

DANIEL B. LEARY, 1924

WILFRED H. SHERK, 1922

PHILIP B. GOETZ, 1923

AUGUSTUS H. SHEARER, 1922

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EDWARD W. SINE, *Secretary of the Faculty*

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## Standing Committees of the Faculty

*Absences:* Professor Leary, Dean Park, Professor Sherk.

*Admissions and Credentials:* Professor Moore, Dean Park, Professor Shadle.

*New Buildings:* Heads of departments (Professor Sherk, chairman).

*Library:* Mr. Casassa, Mr. Rhodes, Dr. Shearer (chairman).

*Graduate Students:* Professor Leary, Professor Moore (chairman), Dean Park, Dr. Shearer, Professor Sherk, Professor Sy.

*Publications:* Professor Goetz, Dean Park.

*Social Activities:* Miss Chesebrough, Mr. Piper, Professor Shadle (chairman).

*Revision of Curriculum:* Assistant Professor Cooke, Professor Goetz, Professor Leary, Professor Moore, Dean Park, Professor Sherk.

*Summer Session:* Dean Park, Professor Leary, Mr. Sine, Mr. Pillsbury.

*Assembly and Public Exercises:* Professor Goetz, Assistant Professor Cooke, Miss Wilner.

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*Representatives on Committee of Management, University Y. M. C. A.:* Dean Park, Professor Sherk.

*Representatives on Committee on Student Activities:* Professor Sy, Mr. Sine.

*Representative on Athletic Council:* Assistant Professor Brown.

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EMMA E. DETERS, Registrar

JEAN AGNEW, Librarian

ANNA C. ULRICH, B. S., Secretary to the Faculty

## FACULTY

ALBERT P. SY, Ph. D.	219 Crescent Ave.
<i>Professor of Chemistry</i>	
PHILIP BECKER GOETZ, B. A.	63 Arlington Place
<i>Professor of English, Acting Professor of Latin and Greek; Chairman</i>	
JULIAN PARK, Ph. D.	33 Summit Ave.
<i>Professor of History</i>	
WILFRED H. SHERK, M. A.	367 West Delavan Ave.
<i>Professor of Mathematics</i>	
DANIEL BELL LEARY, Ph. D.	135 Richmond Ave.
<i>Professor of Psychology</i>	
EDWARD J. MOORE, Ph. D.	28 Tennyson Ave.
<i>Professor of Physics</i>	
ALBERT R. SHADLE, M. A.	410 Wohlers Ave.
<i>Professor of Biology</i>	
WILLIAM V. IRONS, Ph. D.	24 High St.
<i>Professor of Inorganic Chemistry</i>	
CORNELIUS MERRILL BROWN, M. A.	433 Potomac Ave.
<i>Assistant Professor of Chemistry</i>	
THOMAS F. COOKE, M. E.	618 Delaware Ave.
<i>Assistant Professor of Physics</i>	
M. SMITH THOMAS, A. C.	771 Bird Ave.
<i>Associate in Education</i>	
FELIX A. CASASSA, B. ès S., Officier d' Académie	130 Mariner St
<i>Associate in French</i>	
P. FREDERICK PIPER, B. S.	851 Richmond Ave.
<i>Associate in Geology</i>	
CHARLES ELBERT RHODES, M. A.	507 Potomac Ave.
<i>Associate in English</i>	
MARY HAMMETT LEWIS	Snyder
<i>Associate in Education</i>	
CHARLES W. WHITNEY, Ph. M.	1028 Elmwood Ave.
<i>Lecturer in Economics</i>	
AUGUSTUS H. SHEARER, Ph. D.	383 Franklin St.
<i>Lecturer in History; Director of Library Science Course</i>	
MME. MARIE L. CASASSA, B. ès L.	130 Mariner St.
<i>Instructor in French</i>	
OCTAVIO SOTO, C. E.	591 Grider St.
<i>Instructor in Spanish</i>	
CARL F. SIEKMANN	94 Parkdale Ave.
<i>Instructor in German</i>	
WALTER D. HEAD, M. A.	873 West Ferry St.
<i>Lecturer in Education</i>	
LOUISA H. S. LAWTON, B. S.	Snyder
<i>Lecturer in Education</i>	

W. HOWARD PILLSBURY, B. A.	Telephone Bldg.
<i>Lecturer in Education</i>	
EDWARD W. SINE, B. A.	1498 Hertel Ave.
<i>Instructor in English</i>	
HAROLD L. OLMSTED, B. A.	185 Bryant St.
<i>Lecturer in Art</i>	
RICHARD WILSON BOYNTON, M. A.	432 Norwood Ave.
<i>Lecturer in Philosophy and Sociology</i>	
M. ARLOUINE CHESEBROUGH, B. A.	149 College St.
<i>Instructor in Biology</i>	
FERDINAND F. DiBARTOLO, B. A.	399 Franklin St.
<i>Instructor in Italian</i>	
M. KATHERINE BRYAN	Snyder
<i>Lecturer in Education</i>	
PAUL P. COHEN, B. A., LL. B.	Morgan Bldg.
<i>Lecturer in Government</i>	
CARLOS E. HARRINGTON, M. E.	52 Winter St.
<i>Instructor in Mathematics</i>	
WILLIAM H. MITCHELL, M. A.	107 Oakland Place
<i>Instructor in History</i>	
ORTHA L. WILNER, B. A.	164 Woodward Ave.
<i>Instructor in Latin and Greek</i>	

# The University and the City

**THE CITY.** Ever since its establishment the University has been so closely identified with the growth of the city that certain facts preliminary to the history proper of the University may be of interest. The village of Buffalo was laid out by Joseph Ellicott, the surveyor, in 1801-1802; it grew rapidly, became the county seat in 1808, quickly recovered from its total destruction during the war of 1812, and obtained a city charter in 1832. Among the factors contributing most to its growth and prosperity has been its location, notable both for its natural beauties and for its commercial advantages. The high land and temperate climate, together with excellent drainage and water-supply systems, make Buffalo one of the healthiest cities in the country. Its population, numbering today 506,000, is cosmopolitan. It is a city of homes and culture; the character of its citizenship makes for an atmosphere singularly favoring those agencies and institutions which diffuse general intelligence and refinement. The Albright Art Gallery, the Historical Society, the Society of Natural Sciences, the Buffalo Public and the Grosvenor Libraries are all institutions for the free use of the public, the advantages of which should be made wide use of by University students. It is the largest city in the country which has adopted the commission form of government. Its educational system includes grammar, high and normal schools, the equipment and staff of which are of noteworthy excellence, four new high schools and the state normal school having been completed within the last five years. There is constant and close co-operation between the superintendent, officials, and teachers of the city School Department, the Normal School, and the University, about three hundred teachers last year being registered in the College of Arts and Sciences as special students.

**THE UNIVERSITY.** The beginnings of the endeavors for higher education in Buffalo reach back to within three years after the town became a city. A charter for the Western University was secured from the Legislature in 1835, and the project was actively forwarded until it was halted by the economic panic of 1837. After the lapse of a few years it was revived by a group of physicians who aimed to fill the need in this part of the state of facilities for medical education. These eminent men, Drs. James P. White, Frank H. Hamilton, Austin Flint, and others, while the interests of their own profession naturally came first, were far-seeing enough to place the basis of medical education on an academic foundation. They did not live to see the establishment of facilities for the academic training of medical students in their own institution, but they provided the first requisite toward that end—legal permission. On May 11, 1846, the act of incorporation was passed by the Legislature.

The seal of the University shows that the founders had in mind colleges not only of medicine and arts, but of theology and law; but each of its departments has been added in response to recognized demands for

instruction in the various professional branches. It was, however, forty years before the next department, that of Pharmacy, was established. In that year, 1886, the institution awoke to the further needs of the community in the matter of professional training. Many men eminent in their callings unselfishly offered their services to perpetuate the best traditions of their respective professions, and the University gladly availed itself of their public spirit. The policy of expansion which had begun with the founding of the Pharmacy Department was continued by the establishment of departments of Law (1891), Dentistry (1892), Pedagogy (1895, but discontinued in 1898), and Chemistry (1906). Advantage was thus taken of the broad powers granted by the charter of offering instruction and conferring degrees in any branch of professional or academic learning.

Although the University up to 1913 was a group of professional schools only, the project of completing it by the establishment of a college had long been before the people of Buffalo. In 1909 the site for the Greater University was purchased, when a tract of 106 acres, situated on the highest land in the city, at the junction of North Main Street and the city line, was acquired from the county; the money to purchase this property, which is valued at more than \$500,000, was raised by popular subscription. In 1919 the balance of the almshouse site, 44 acres, completing the Main Street frontage, was purchased. A modest beginning of instruction in the arts and sciences was made in 1913, when the University Council authorized the inauguration of certain courses of college grade. Three years later these courses became the College of Arts and Sciences, which shortly thereafter was placed on a degree-giving basis by the State Department of Education, the first class being graduated in 1920.

For seventy years the work of the institution was carried on with practically no endowment. No non-sectarian university in the country, so far as is known, has been so peculiarly situated. When, in 1915, the Women's Union presented its spacious building to the University for the housing of the new college, it was conditional on raising, within a year, \$100,000 toward the sum which would serve as endowment for the college. This condition was complied with when Mrs. Seymour H. Knox gave the necessary amount, as well as pledging \$50,000 for each of the next three years and a final amount of \$250,000 as a bequest. The income of this munificent gift, known as the Seymour H. Knox Foundation, is to be used for endowment for the College.

During the years from 1915 to 1920 the University was prevented from achieving its program of expansion by war conditions. It only awaited, however, the restoration, as far as possible, of normal conditions to plan a campaign for buildings and endowment which should adequately provide for those facilities for higher non-sectarian education which the city has so long lacked. The first step, even in advance of a financial campaign, concerned the development of the unsurpassed site which the University has possessed since 1909.



Accordingly in 1919, a competition was conducted for a landscape design. The purpose of the competition was not to secure the architecture of the buildings, but to obtain the most artistic, efficient, and permanent grouping. For this purpose architects and landscape architects throughout the country were invited to compete for three prizes, totalling six thousand dollars, a contribution which was made by Dr. G. W. Wende and Mr. R. H. Templeton in memory of three workers for the Greater University project who for years had given indefatigably of their time—Rev. Andrew V. V. Raymond, Dr. James A. Gibson, and Daniel Upton. The problem given the competitors was to locate the units in several main groups—six buildings for the College, four engineering buildings with shops attached, five buildings for the professional departments, including future schools of education and commerce, and other main units, such as the library, administration building, chapel, men's and women's dormitories, gymnasias, athletic field, etc.

Designs were submitted from eminent architects in all parts of the country. The jury was composed of Dr. John H. Finley, Commissioner of Education and president of the University of the State of New York; Charles N. Lowrie and James L. Greenleaf, architects of New York City; Edward Michael and William H. Crosby, representing the University Council. They rendered the following report:

The committee of award congratulates the people of Buffalo on the acquisition of such an admirable site for its university and on the liberal conception of the development of this university into one that shall ultimately take rank with the great centers of art, science, and the professions in the United States and in the world. It congratulates especially those who with this vision have made possible the competition which has evoked these designs from which selection has with great difficulty been made. The problem calls for a co-ordination of the various factors with a flexibility that allows of use of site now available and a rational future extension into property to be acquired (which, shortly after this report was rendered, was purchased from the county).

After careful study of the plans submitted, we have unanimously awarded prizes as follows: First prize to Hallam L. Movius, Boston. Second prize to Henry A. Fruauff, Buffalo. Third prize to Frost & Raymond, Cambridge, Mass. Selection number 1 shows particularly breadth and simplicity of treatment, together with comprehensive grasp of the problem. . . .

The University architects are McKim, Mead & White of New York, and the type of architecture chosen is the colonial-classic.

The first building, for which ground was broken on June 11, 1920, is principally to house the department of chemistry, and is to bear the name of Foster Hall, in honor of the donor, Orin E. Foster. This gift inaugurated the campaign for university extension, a campaign which will remain long in the memory of all Buffalonians. The goal set was five million dollars, which was to be raised between the seventh and seventeenth of October, 1920. Not only was this amount contributed, but additional subscriptions made

the final total reach the sum of \$5,177,000.00, representing the gifts of 24,000 citizens.\*

## COLLEGE BUILDINGS

Beginning with the fall of 1922 the College will be housed to some extent in Foster Hall, completed in the spring of 1922 at an expense of \$700,000. There all the chemistry instruction of the University is centered, together with certain other classes. It is three stories high, 206 feet long, built of Indiana limestone, and adequately equipped for every variety of chemistry, as well as geology, mineralogy, and similar subjects.

Certain departments will be housed in a three-story building on the new campus. The physics laboratories have been newly equipped for work both in general physics and for special work in electricity and magnetism. The biological laboratories are adequately equipped for work in both zoology and botany. Each student in biology is provided with a compound Spencer microscope, a tripod lens, and a complete set of prepared microscopical slides.

Until another new building is erected, the rest of the work of the college is carried on in Townsend Hall, which it has occupied since the building was presented to the University in 1915 by the Women's Union. In this building are the offices of administration, library, and class-rooms.

## COLLEGE LIBRARY

The reference library, consisting of about 10,000 volumes, is accommodated mainly in the Ripley Memorial Library room. Students have direct access to all books, the library being open from 9 a. m. to 6 p. m. on every week day during the college year and during vacations at stated hours. About thirty periodicals, including many European, are subscribed to or contributed, those not received at the University being taken by either, or both, of the public libraries. In addition to the Arts library should be mentioned those of other departments of the University. The Libraries of the Medical and Law Departments, amounting respectively to 16,000 and 6,000 volumes, contain considerable material of value to those pursuing certain kinds of college work. Moreover, the resources of the Buffalo Public Library (355,000 volumes) and the Grosvenor (reference) Library (154,000 volumes) are at the disposal of students, the building of the former being but three blocks distant from Townsend Hall, the latter about half-a-mile away. The Grosvenor is the fourth largest reference library in the country.

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\*Those interested in the development of the University are referred to "A History of the University of Buffalo" which appeared as the leading article in Volume 22 (1918) of The Publications of the Buffalo Historical Society.

## LECTURES AND ASSEMBLIES

An assembly of students and instructors is held at intervals in the auditorium of Townsend Hall. At these meetings there is often music and an address by some guest of the University or a member of the faculty, so that during the year a number of talks on varied subjects are given. Several special lecturers, generally professors in other institutions, visit the University during the fall and winter to give addresses on subjects in which they are authorities, and these extension lectures are free to the general public, as it is against the policy of the University to make a charge for any single lecture. The James Fenton Lectureship Fund, amounting to \$25,000, contributed in 1920, will make available a number of important lectures in different fields.

No compulsory religious exercises are held by or at the University. Many churches in the vicinity of the college buildings, however, conduct Bible classes especially for students of the various denominations. The Y. M. C. A. details a member of its staff to act as executive secretary of the University branch, and Bible classes and other activities are conducted weekly.

At convocations and at some other public functions, members of the faculty wear academic costume in keeping with their degrees. The University colors, with which hoods should be lined, are white and blue.

During the year 1920-21 the following speakers and lecturers were heard:

Rush Rhees, D.D., LL.D., president of the University of Rochester, "Privilege and Obligation" (at opening convocation). Address published in the *University Studies*.

B. R. Baumgardt, of Los Angeles, "The Romance of Civilization."

Charles Upson Clark, Ph.D., formerly of the American Academy at Rome, "Italy of Today."

Charles A. Eaton, D.D., LL.D., of New York, "An Educated Man." (Feb. 22.)

Hamlin Garland, of New York, "Americanism in Literature."

Arthur A. Allen, Ph.D., professor of ornithology at Cornell, "Our Birds."

George H. Edgell, Ph.D., assistant professor of fine arts at Harvard, "Modern Tendencies in Art."

Bernard I. Bell, S.T.B., president of St. Stephen's College, "A Liberal Education and a Liberal Attitude Toward Life." (74th University Commencement.) Address published in the *University Bulletin*.

## PUBLICATIONS

The College issues two series of quarterly publications. The *Bulletin* is the official publication of the college, the issues of which include the annual catalogue, reports, announcement of summer session, and other

information of like character. In the *Studies* are published original articles by members of the faculty, as well as addresses delivered by distinguished visitors at the University. In general, the respective *Studies* are published under the charge of different departments of instruction. The expense of publication is partly met from the Roswell Park Publication Fund.

The undergraduate periodicals include *The Bison*, a monthly; *The Bee*, a weekly; and *The Iris*, an annual.

# Admission

*All correspondence in matters of admission should be addressed to the Chairman of the Committee on Admissions.*

## REQUIREMENTS FOR ADMISSION

The College, like all the other departments of the University, is non-sectarian and co-educational. The requirements for admission are of several kinds, including, in addition to the customary scholastic method of entrance, a psychological, medical, and dental examination; together with a recommendation from the head of the school which the candidate has last attended. This must be a personal letter to the Dean from the principal, or in his absence someone properly qualified by reason of personal knowledge; or, in the case of those privately prepared, from a tutor or other such person. This letter should indicate that the writer conscientiously believes that the both mentally, morally, and physically the applicant is a fit candidate for matriculation, and must include also a statement of what third of his school class the applicant stood in his final year.

Application for admission should be filed by candidates *as soon after the completion of the preparatory work as possible*. Since it may be found necessary on account of limited accommodations to restrict the number of students to be enrolled in 1922-1923, an early application is essential, and the Faculty reserves the right to decline to matriculate students whose applications are received at a date after the number of possible vacancies may have been filled.

A blank form which may be used in applying for admission is inserted in this catalogue. Additional copies may be secured from the registrar. On receipt of the application blank filled out, the registrar will send to the principal of the school last attended by the candidate, a copy of the statement required for admission. On this blank is to be given a transcript of the candidate's scholastic standing during each of the previous four years. Upon the receipt of this statement in satisfactory form depends the matriculation of the candidate. Statements must be signed by the principal of the school (or some one duly qualified to act in his stead) and are to be sent by him to the Chairman of the Committee on Admissions. Blank statements will be sent to the principal of any school on his request or that of a prospective student, but they are not sent to other persons, and must be returned by the school, not by the applicant. When more than a year has passed between the completion of the work for which the statement vouches and the time of admission to college, satisfactory evidence that the candidate has kept up his studies in the interval is required.

No matriculation of regular students will be permitted after the week in which college opens. This rule also applies to special students who wish college credit for their work.



A fair equivalent of the requirements for admission will be accepted, but candidates for admission are advised to conform literally to the statements as here set forth. Enough latitude is allowed among the elective subjects accepted for entrance to provide for the various courses of study (except the commercial course) offered in the high schools, without affecting the subjects required of all. The scholastic requirement for admission is the completion of a four-year course of standard high-school grade, or its equivalent. This is the indispensable minimum, but is not necessarily a guarantee of admission. Early in their high school course students planning to enter this college should see that their curriculum embraces each of the required subjects. They can only do so, in some cases, if they settle before their senior high school year upon their choice of a college, and even upon their vocation, since entrance requirements and college curricula often depend upon the profession to be chosen.

Applicants secure admission to the college by one of the following methods:

(a) **CERTIFICATION.** This is the customary form of entrance; but it should be borne in mind that it presupposes graduation, with credit for the proper subjects, from an *accredited* secondary school; and only certificates made out on the prescribed form and signed by principals of such schools are accepted in lieu of entrance examinations. By "accredited schools" is meant those secondary institutions which are fully approved for a four-year course by the New York State Department of Education. Handbook No. 24 of that department should be consulted for a list of such schools in this state.

(b) **REGENTS EXAMINATIONS.** Those not holding the school diplomas of graduation may make up deficiencies and secure the necessary credit by passing Regents' examinations in January or June in those subjects which they lack. It should be borne in mind that the September examinations are only for those desiring qualifying certificates admitting them to professional schools, and are not accepted for academic credits. Handbook No. 23 of the State Board of Regents (State Department of Education) gives information regarding these examinations.

(c) **COLLEGE ENTRANCE EXAMINATION BOARD.** An application to take these examinations must be made to the Secretary of the Board, 431 West 117th Street, New York City, from whom all necessary information may be obtained. These examinations are held annually at a large number of widely distributed points, including Buffalo.

## ENTRANCE REQUIREMENTS

For students expecting to be candidates for the B. A. or B. S. degree, a total of 15 units is required. A unit is the equivalent of five recitations a week for one year in one branch of study. Two hours of laboratory work count as one hour.



The subjects and units required for admission to the B. A. and B. S. courses are as follows:

### (1) B. A. Course

	Units
A English (four years).....	3
B Algebra: Elementary .....	1
Intermediate .....	$\frac{1}{2}$
Plane Geometry .....	1
C Latin .....	3*
and <i>one</i> of the following:	
D History .....	1
E Physics or Chemistry .....	1
F A second foreign language..	2

---

Electives, to make a total of 15

### (2) B. S. Course

	Units
A English .....	3
B Algebra: Elementary .....	1
Intermediate .....	$\frac{1}{2}$
Plane Geometry .....	1
C Latin or Greek or French	
or Spanish or German.....	3
and <i>one</i> of the following:	
D History .....	1
E Physics or Chemistry .....	1
F A second foreign language..	2

---

Electives to make a total of 15

\*Four strongly recommended.

With the exception of Latin, necessary for entrance to the Arts course, the above requirements are identical with the qualifications for securing a New York state college entrance diploma. Up to 1920, there were three forms in which such a diploma could be issued—arts, science, or engineering. Only one form is now provided for. The Regents' Rule bearing on this subject is as follows.

College entrance diplomas, whose requirements are substantially the same as the entrance requirements of the colleges of the State, are designed to guide preparation for and to facilitate admission to college and to constitute, in part, the basis for awarding the University scholarships, and will be given only to pupils of the registered secondary schools in this State who take the usual oath of allegiance to the State of New York and to the United States and file the same, together with their respective principal's certificate of their good moral character, with a written application for such diplomas by the fifteenth of the month of July next succeeding the completion, within six years from their enrollment which may be at the beginning of any half year, of at least four full school years of time, or of a longer period if the pupils choose, of approved study in such schools, who have earned in Regents examinations, with passing marks averaging at least 75 per cent, the respectively prescribed counts. But such pupils who have earned the required counts for college entrance diplomas, with minimum passing marks of 85 per cent, and have otherwise qualified therefor, may, upon their principal's certification of exceptional training and ability, receive such diplomas after three and one-half years of such study, and by unanimous vote of the Regents present at a meeting of the Board, such diplomas may be granted in unusual and extraordinary cases, where a portion of the required time of study has been spent in secondary schools other than the registered secondary schools in this State.

Candidates for the College entrance diploma must pass a *comprehensive* examination in the subjects listed under *a*, *b*, and *c* in the foregoing list and in a fourth subject chosen from *d*, *e* or *f*. He must obtain an average rating in all of at least 75 per cent, with a minimum passing mark of 60 per cent for any paper. (Extract from Regents' rules.)

### (3) Engineering

During the current year a freshman course in engineering was offered. Information regarding the further expansion of this course should be

secured from the Announcement of Courses for 1922-23, which is published during the summer. The entrance requirements for this course are as follows:

	Units
English (four years) .....	3
Algebra: Elementary .....	1
Intermediate .....	$\frac{1}{2}$
Advanced .....	$\frac{1}{2}$
Trigonometry .....	$\frac{1}{2}$
Geometry: Plane .....	1
Solid .....	$\frac{1}{2}$
Modern language .....	3
One of the following:	
History .....	1
Physics or Chemistry .....	1
A second foreign language .....	2-3
And electives, to make a total of.....	15

## SPECIFICATIONS OF THE REQUIREMENTS IN EACH SUBJECT

The lack of uniformity in college entrance requirements has been such an annoyance to secondary schools that the University of Buffalo, wishing to do its share in reducing the confusion to a minimum, places few restrictions on the nature of work in each subject. The main purpose of all the requirements for admission is to select applicants who are likely to profit most by the college courses. The following observations concerning different subjects are, however, recommended for serious consideration.

(1) **ENGLISH.** By three units in English is understood *four years* of work completed in that subject, since the usual school course allows only three hours per week in the upper years.

(2) **MATHEMATICS.** One year of algebra is insufficient. Intermediate algebra (quadratics and beyond) should come in the last year of the school course.

(3) **LANGUAGE.** While three units of Latin are accepted for the B. A. course, the faculty strongly recommends that four be offered. Those looking forward to studying medicine will find at least two years of Latin highly profitable. In no language are fewer than two units accepted for either course.

(4) **HISTORY.** For either course a choice of history is offered. Candidates may present either (a) ancient history to 800 A. D.; (b) medieval and modern; (c) English; (d) American, with civics.

(5) **SCIENCE.** As an elective in Science candidates for either course may offer biology, advanced botany, advanced zoology, or physical geography.

(6) ELECTIONS. A sufficiently wide latitude of choice is allowed so that almost any high-school diploma includes the subjects which are accepted to make up the units of electives.

CONDITIONS. No candidate is eligible for admission as a regular student who presents fewer than 14 units of work. All conditions must be removed before a certificate for the year's work will be granted. However, no entrance conditions whatever will be allowed in the case of those whose high school grades do not average 80%.

#### (4) Pre-Medical Course

A two-year course is offered by this college which meets the requirement exacted of those intending to enter upon the study of medicine at the University of Buffalo. The subjects for which credits for admission to the pre-medical course may be accepted, totalling fifteen units, are shown in the accompanying schedule, which meets the preparatory requirement exacted by the State Department of Education for the medical student's qualifying certificate, as well as that of the American Medical Association.

	Units
English (four years).....	3
Mathematics: Elementary Algebra .....	1
Intermediate Algebra .....	1½
Plane Geometry .....	1
Foreign language, ancient or modern.....	2
History (American if the applicant is of foreign birth).....	1
<hr/>	
Electives, to total .....	15

No students are admitted to the pre-medical course with any conditions, nor does the Medical School (whose numbers are limited) admit students with conditions. For further information the catalogue of the Medical School should be consulted.

#### (5) Pre-Dental Course

A one-year course is offered by this college which meets the requirements exacted of those intending to enter upon the study of dentistry at the University of Buffalo. [This course will be increased to two years beginning September, 1924.] The entrance requirements are as follows:

	Units
English (four years) .....	3
Mathematics: Elementary algebra .....	1
Plane geometry .....	1
Foreign language (ancient or modern).....	2
History .....	1
Physics .....	1
<hr/>	
Electives, to total .....	15

In case the high school course does not include a year of physics, the deficiency is to be made up by a college course in the subject, of at least six semester hours, (to be taken in addition to the pre-dental curriculum, for which see page 25); for this purpose a summer course is suggested.

## **(6) Library Science Course**

The college offers a course in library science, the completion of which leads to a certificate of proficiency. Entrance to the course is dependent upon the completion of work sufficient to enter sophomore year of either the Arts or the Science course (see page 23), and the student is held to all the requirements for entrance. Preference will be given to the more mature students. Examinations to test fitness for library work, together with personal interviews, may be required. These requirements will be waived, in general, for librarians on leave. For curriculum see page —

## **(7) Partial Course and Unclassified Students**

(a) Persons of maturity, who are high school graduates or who have at least the equivalent thereof, are admitted as partial course students, carrying a number of hours which is below that taken by regular students (sixteen). Those expecting to become candidates for a degree should, *at the time of their matriculation*, file the customary entrance credentials for the course leading to the degree which they have in view. Partial course students are subject to all the general rules of the college regarding discipline, absence, etc., and unless they are definitely prepared, when they matriculate, to observe such rules, particularly the rules regarding attendance, they should specify to the registrar that they do not wish credit for their work. In the matter of tuition fees and in arranging the hours of classes, the college endeavors to be of service as far as practicable to this large class of students, the majority of whom are teachers in the city schools. For those who come to the college on graduation from the Buffalo State Normal School, some modifications from the regular curriculum are permitted; see page 25.

(b) Unclassified students are those who make application to be admitted to definite standing with one of the four classes, pursuing the subjects specified for that year, and who may lack the exact entrance requirements of regular students but have the equivalent thereof. In certain cases, very few in number, the faculty admits such students provided their record shows they have unusual ability, their classification being determined by the Committee on Credentials at the end of the year.

Registration on the part of special students is assumed to be for *both* semesters, unless notice to the contrary is received in writing at the end of the first semester.

## **(8) Admission from Other Colleges**

A candidate for admission to advanced standing from an institution of collegiate rank may receive credit without examination for work completed at such an institution subject to the following requirements:

1. He must present a catalogue of the institution from which he comes, together with an official certificate showing (a) his entrance credits at that institution, (b) his college record including grade of scholarship in each subject taken, (c) honorable dismissal.

2. He must have completed creditably the work of at least one year in an institution of collegiate rank.

3. He must satisfy the entrance requirements of this College, using his advanced credits for this purpose if necessary.

4. Credit is regarded as provisional at the time of the applicant's admission to college, and will not be considered as final, nor will the applicant be given final enrollment, until he has satisfactorily completed at least one semester's work in this College.

5. Candidates will be accepted only at the beginning of the year, and when accepted will be regarded as provisionally enrolled for that year.

6. The applicant must indicate at the time of his admission all his claims for credit.

## **(9) Admission on Graduation from the Buffalo Normal School**

All the existing institutions of Buffalo for the training of teachers are closely coordinated. It is now possible for the ambitious, adequately prepared student who desires a college education to secure one in five years (although most candidates may need six or seven), of which two, in the Normal School, require no payment for tuition, and during the others the student receives full pay as a regular teacher.

Only graduates of the Buffalo State Normal School receive this credit toward the B. S. degree. Graduates of any other normal school and graduates of the Buffalo school previous to 1920, may make application for whatever advanced standing a committee of the faculty may extend.

Those who in 1918 or thereafter enter the Buffalo Normal School and desire to take advantage of this plan must fully satisfy the University's entrance requirements for the B. S. course. On matriculation at the College, credit for 64 semester hours is granted them, but this credit is effective only after they have completed either at the University or the Normal School the two courses in freshman English and freshman history for which provision has been or will soon be made in the Normal course. They take at least one college course, and at the same time, at one of the special centers, carry on their school teaching, under the supervision of a member of the University faculty, who observes the work of these probationers. If they are successful in the centers they receive permanent appointment, and while



teaching may continue their college studies until such time as they have completed the necessary 128 hours, when the degree of Bachelor of Science is conferred. Twelve semester hours for teaching experience (in academic subjects) may, provided that the teaching has been done in one of the centers and on recommendation of the School Department, be included among these 128. The University considers these twelve hours in the same light as laboratory work, since it is practical work done under the supervision of a member of its own faculty. Moreover, the University is not to confer the degree until the student shall have also had accepted a satisfactory thesis, which must show powers of concentration and research in the subject chosen. The theses shall be from eight to ten thousand words in length and must be presented, before May 15 of the year in which the candidate comes up for a degree, to the professor in charge of the department where the work has been done.

For the courses of study prescribed for Normal graduates, see page 25.

## **PSYCHOLOGICAL AND PHYSICAL EXAMINATIONS**

*Every* applicant for the freshman class is required to take both a psychological and a physical examination.

The object of the psychological, or general intelligence, examination is to test common sense and general fitness to profit by college work, rather than preparation in specific subjects. The result, if accompanied by school marks under the average, may exclude a candidate for admission. Such is not, however, its sole object, for it is hoped to use the facts shown in planning the student's college course; in helping to solve general difficulties, both intellectual and personal; and in short to facilitate that co-operation between faculty and student which should take a chief place in college ideals. The examination will be given at such intervals before the opening of college as will meet so far as possible the student's convenience. It will be held in 1922 on Friday, July 14, at 9 a. m.; on Friday, August 25, at 9 a. m.; and on Friday, September 22, at 9 a. m. Those who have from time to time been accepted on the basis of their school credits will take the examination which occurs next after their receipt of the letter from the Dean's office accepting their credentials. Those living at a considerable distance from Buffalo will, in general, be allowed to take the September examination; or, those living at a point where similar tests are held by another college may take theirs under the supervision of that college, subject to the approval of both institutions. The fee, to be paid in advance, is one dollar.

The faculty, considering it essential to the best interests of the student body, requires a physical examination, arranged for by the college, of every student at the beginning of each college year and at such other times as it may designate. Such examination involves no expense to the student.



# Courses of Study

## Freshman Year

In the freshman year the studies are mainly prescribed, the courses taken depending upon the subjects presented for admission. After freshman year the studies taken are partly elective, partly required, subject to the limitations of the group system.

Candidates for the degree of Bachelor of Arts are required to take the following:

	Hours Weekly
Latin 1 or Greek 1.....	3
(If the student has had no Latin during his last school year, or if a year or more has elapsed between school and college, he is required to take Greek.)	
English 1 .....	3
Mathematics 1 .....	4
Modern Foreign Language....	3
(Either a continuation for at least freshman year of the language studied in school, or a new language, studied in both freshman and sophomore years.)	
Elective from following group. 3-4	
History 1, Chemistry 1, Biology 1, Biology 2, a second modern language, a second ancient language.	

Candidates for the degree of Bachelor of Science are required to take the following:

	Hours Weekly
English 1 .....	3
Mathematics 1 .....	4
Modern Foreign Language....	3
(Either a continuation for at least freshman year of the language studied in school, or a new language, studied in both freshman and sophomore years.)	
A Science .....	4
(Either Chemistry 1, Biology 1, or Biology 2.)	
Elective from following group. 3	
History 1, an ancient language, a second modern language.	

## Sophomore Year

### B. A.

English 2 .....	2
Language (depending on freshman election) .....	3
Any science (chemistry, physics, zoology, botany, geology, astronomy) .....	3-5
History 1 (if not already taken)	3
—	
Electives, to make.....	16-17

### B. S.

English 2 .....	2
Language (depending on freshman election) .....	3
Physics 1 .....	5
A second science.....	4
—	
Electives, to make .....	16-17

## Junior Year—Both Courses

Psychology 1 (unless already taken).....	3
Electives, to make .....	16

## Senior Year—Both Courses

Philosophy 1, 2, or 3 (unless already elected).....	3
Electives, to make .....	16

## ELECTION OF COURSES

As soon as the freshman's entrance credentials have been submitted and accepted, the registrar sends him a statement of the courses open to his election, requesting that the choice of studies be made before a certain date and enclosing a blank to be used for this purpose. If this blank is not returned before the date mentioned, the registrar assigns the student to courses as may seem best.

All matriculated students who expect to return in the fall must make their elections before June 1 of each year. Changes from these elections are allowed in the fall only in very exceptional cases, the justification for which is to be determined by the Dean. The three lower classes are assigned advisers from among members of the faculty, and no elections are received by the registrar's office without the written approval of the adviser.

Although the normal number of hours which any student in the Arts or Science course may carry is sixteen, members of the entering class may receive permission to take additional work as follows: with a psychological test of 95, up to 20 hours; with a test of 85-95, up to 18 hours. Those who have already had at least one year in college may carry 18 hours, if during the previous year they had an average of B, 20 hours if they had an average of A.

## ENGINEERING CURRICULUM—FRESHMAN YEAR

	Hours Weekly
Mathematics 3 .....	3
Mathematics 5a .....	6
English 1 .....	3
Foreign language .....	3
Physics 1 .....	5

Or such modifications of this curriculum as may be necessary in transferring to an engineering college.

## PRE-MEDICAL CURRICULUM

### FRESHMAN YEAR

English 1 .....	3
Mathematics 1 .....	4
Chemistry 1 .....	4
Biology 2 .....	4
Language* .....	3
—	
	18

### SOPHOMORE YEAR

English 2 .....	2
English 6 .....	1
Physics 1 .....	5
Biology 6 .....	4
Chemistry 2 .....	3
Language or elective**.....	3
—	
	18

\*Continuation of the language taken in school. If the student presents Latin for entrance, he begins French in college.

\*\*If the pre-medical student has offered for entrance three years of any modern language, he may choose a three-hour elective in his sophomore year, and is advised to take psychology.

## PRE-DENTAL CURRICULUM

English 1 .....	3
Chemistry 1 .....	4
Biology 2 .....	4
History 1 .....	3
Language .....	3
—	
	17

## LIBRARY SCIENCE CURRICULUM

Sixteen hours of theoretical or practical work chosen from the courses listed on page 00.

## CURRICULUM FOR NORMAL GRADUATES

Attention is directed to the residence requirement of at least 32 semester hours. No work in extension courses given outside the University of Buffalo, even though such courses may be accredited by the University, are counted as meeting this requirement.

In working out the courses of study to be pursued by those who come to the College from the Buffalo Normal School, the faculty were influenced largely by the department of teaching in which the students expect subsequently to work. Certain subjects, aggregating 24 semester hours, are to be taken by all, regardless of their future field of work. These are as follows:

Modern civic, social, economic problems.....	1*
Contemporary developments in American education.....	1*
Language (Latin for those not having had any).....	6
English 2 (not required for those expecting to teach in high school) .....	4

\*Ordinarily two semester hours; this year, one.

Psychology 1 (General).....	6
Psychology 2 (Educational) .....	6

The balance of the work to be taken in college will be divided among electives suggested in accordance with the future field of work; or, if that is not determined, among general electives. Courses in the following table which are enclosed within brackets are not taught at the College during the current year, but it is expected that they will be added by the time that there is a sufficient demand for them, or repeated in alternate years.

## GROUP I

### *Administration*

General Administration  
[Tests and measurements]  
Intermediate Schools  
Philosophy of Education  
Educational Sociology  
[School Hygiene]  
Primary Aims and Methods  
Secondary Aims and Methods  
History of Education  
Supervised Study

## GROUP II

### *Teachers of English*

(Freshman English previously taken at Normal)  
Shakespeare  
[Principles of literary criticism]  
Teaching of English  
Essay in 18th Century  
Essay in 19th Century  
The Novel  
[Greek and Latin classics in English]  
Bibliography  
[Comparative literature]  
[Chaucer]  
[Milton]  
19th Century American Poets  
19th Century English Poets  
[Appreciation of Music]

## GROUP III

### *Teachers of Ancient Languages*

Latin 2 and 3  
Greek 1, 2 and 3  
Appreciation of Art

## GROUP IV

### *Teachers of Modern Languages*

French  
Spanish  
Italian  
German  
Teaching of Language  
[Appreciation of Music]

## GROUP V

### *Teachers of Mathematics*

Freshman Math. (Algebra, Trig., Plane Analytic Geom.)  
Solid Geom. with review of Plane  
College Algebra  
Calculus  
Teaching of Algebra or Geom.

## GROUP VI

### *Teachers of History*

(History 1—Europe to 1740—previously taken at Normal)  
History 2 (1740-1870)  
History 3 (1870-1919)  
Economics 1 or 2  
Government 1  
Teaching of History  
Or 2 courses in American History

## GROUP VII

### *Teachers of Science*

Chemistry  
Biology (Zoology or Botany)  
Physics (Math. 1, prerequisite)  
Geology  
Astronomy  
[Physiology and School Hygiene]  
Teaching of Science

## GROUP SYSTEM

The College does not attempt to make specialists of its undergraduates, although ample opportunity is afforded for advanced work along many special lines. Before specialization is attempted, the Arts student should secure, in the belief of this faculty, a general knowledge of human relationships, and it is to that end that the work of the average student in the college is planned.

The endeavor has been made to construct a reasonable and flexible group system which shall leave adequate freedom for individual needs and abilities, and at the same time prevent undesirable scattering of the student's energies. Provision is made for a combination of certain fundamental subjects and free electives with special work that shall be more scholarly and more finally valuable both for cultural attainments and scientific efficiency.

Furthermore, the group system is so arranged that the first two years in Arts or Science provide alike a foundation for more advanced work along university lines and a sound preparation for courses in several of the professions to which college trained men are attracted.

The system adopted by the faculty provides for the arrangement of all departments of instruction in three groups, and requires that each candidate for the Bachelor's degree shall have completed courses totalling a credit of twenty-one year hours in one of these three groups. At least six hours of the most advanced work offered by any one or more departments in that group must be included. The groups are arranged as follows:

### GROUP I.

*Language, Literature,  
Art*

Comprising the  
departments of

### GROUP II.

*History, Social  
Sciences, Philosophy*

Comprising the  
departments of

### GROUP III.

*Mathematics, Physical  
and Natural Sciences*

Comprising the  
departments of

English  
Latin  
Greek  
French  
German  
Spanish  
Italian  
Russian  
Art

History  
Economics  
Government  
Sociology  
Philosophy  
Psychology  
Education\*  
Bibliography and  
Library Science

Mathematics  
Physics  
Chemistry  
Biology  
Geology  
Astronomy

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\*Including the courses in the teaching of special subjects, which may be found described under the separate departments.



# Requirements for Bachelor's and Master's Degrees

Upon nomination by the faculty, degrees are conferred by vote of the Council at the annual commencement upon students who have completed the requirements as to courses, hours, and grades to the satisfaction of the faculty; have paid to the treasurer all college fees and other college charges; have satisfied any financial obligation which they may have incurred in connection with student activities; and have returned all books belonging to the library. No degrees are conferred except after at least one year in residence.

## Requirements for Graduation

The minimum requirement for graduation with the degree of Bachelor of Arts or Bachelor of Science is the completion of 128 semester hours, or 64 year hours; the implication being that an average of sixteen year hours will be taken during each of the four years. The consent of the Dean must be secured by students who are candidates for a degree desiring to carry less than sixteen hours or more than eighteen during any one year. *But* every student, in order to be graduated, must have attained a minimum grade of C in at least one-half the number of hours required for graduation.

Those seniors are graduated *cum laude* who have received a grade of B in three-fourths of their work and C in one-fourth; *magna cum laude*, those receiving A in one-half of their hours, B in one-half; *summa cum laude*, those receiving A in three-quarters of their hours and B in one-quarter. A thesis of unusual merit, of a topic and length to be determined by the head of the department concerned, submitted at the end of a senior course, shall entitle the writer to be graduated with "honorable mention"; and such essays may, at the discretion of the faculty, be published with the imprint of the University.

## Combined Degrees

The degree of Bachelor of Science in Medicine is conferred upon those who have spent two years in the College and who have completed the four-year course in the Medical Department. The degree of Bachelor of Arts is conferred upon those who, having fully satisfied the entrance requirements for the B. A. course, have completed three years in that course (including the subjects required for that degree) and two years in the Medical Department.

## GRADUATE STUDENTS

Although the University has not as yet established a graduate school, many of the departments in the college are ready to assist properly qualified



students who wish to study for the degree of Master of Arts or Master of Science.

Undergraduate courses which may be counted for graduate credit are starred (pages 32 to 49).

The Master's degree is conferred upon Bachelors of this college, or of others maintaining an equal standard, who, having spent at least one year in residence at this university, pursuing two or three approved programs of study, have passed a satisfactory examination in each subject, and have submitted a satisfactory thesis.

The studies pursued shall be together equivalent to the work of a fifth college year. Of these, one, to be known as the major, must be equivalent to at least twenty semester hours, and the minor or minors shall be equivalent to at least twelve semester hours.

A thesis shall be submitted dealing with the work of the major course, and must be handed to the professor in whose department the work has been done, not later than May 15 of the year in which the candidate desires to take his degree. The thesis is to be in triplicate, typewritten on paper of standard size. The faculty reserves the right to publish the thesis in the "University of Buffalo Studies."

A final examination in each course is held, which is partly oral. The oral part of the candidate's examination takes place at a date arranged to suit the convenience of the candidate and his teachers, and the examination may cover either the whole work, or a part of the work, done for the degree. It is open to all members of the faculty, who may question the candidate as they desire.

The degree must be taken not more than three years after the first registration, which must be within one week after the opening of college in the fall. Only six semester hours of work in absentia will be permitted. Each candidate must file his registration by October 1.

Undergraduates of this college who at the beginning of their senior year require not more than eight semester hours to complete the requirements for their first degree may apply some of the remaining courses allowed them toward the Master's degree, receiving it one year after graduation, upon satisfying all the conditions regarding courses, examinations and thesis. Only those undergraduate courses which are so marked in the catalogue will be counted for either undergraduate or graduate work, and in no case shall these courses form the whole of either a major or a minor graduate course.

The fees for graduate students are the same as those for regular students, in the case of those who take the degree in one year; for those planning to take it in two or three years, the fees are the same as those paid by special students.

## ADMINISTRATIVE RULES

The College has always been so small in numbers, and its faculty so large, that, although it is destined for rapid growth, the ideals of a small college have been largely preserved. Among them is the absence of a great amount of regulations concerning department, absences, and the like. The new student should realize that with his matriculation there has begun for him a period of greater personal responsibility than has before confronted him. He should realize that the success of his college career depends in large measure upon his individual ideals, his individual industry, and his individual determination to make the best possible use of his opportunities. The University offers its equipment; its officers of instruction and administration stand ready always to help with their personal advice and, in a practical sense, largely of their available time; but after all, the ultimate responsibility for success or failure rests upon the individual student himself.

If co-operation with the faculty in such a development of his character proves plainly impossible, a student may be at any time placed upon probation, suspended, or even dismissed, although without previous warning.

*Faculty Committees.* In the administration of the College, certain responsibilities have been delegated to various standing committees of the faculty, the personnel of which is given in the annual catalogue. Those committees having to do more especially with student relations are the following: absences, admissions and credentials, social activities, Y. M. C. A. committee of management, and student activities. The latter two committees extend their duties to the University as a whole, the Arts faculty, like the other faculties, being represented on each by two delegates. All matters to be referred to any faculty committee should be submitted through the Dean. Any student has the right of appealing from the decision either of the Dean or of a committee, to the Administrative Board or to the general faculty.

*Grades.* The passing mark is 75 (D).. In case of students transferring from other colleges which have a passing mark considerably lower than 75, the right is reserved to refuse to accredit courses passed at such a low grade. The year mark in each subject is the average of the marks for the first and second semesters. The numerical equivalents of the letters used are as follows: A (high distinction; given to the few whose work may be considered as approximately the best that can be expected of any student), 95-100. B (superior work, plainly above the average), 90-94. C (average work), 80-89. D (below average but above passing), 75-79. E (below passing; a conditional failure), 60-74. F (failure), below 60.

A student obtaining a final grade of E (in June) may take a make-up examination in September, failing to pass which he must, if the course is required, repeat it the following year. A student receiving a grade of E in the first semester may have an opportunity to remove the condition by taking a make-up examination about three weeks after the beginning of the second semester.

If any student fails (i. e., secured a grade of F) in eight hours or more in any semester, he may be dropped from college.

A student taking a make-up examination is required to pay a fee of three dollars for each such examination, these fees to be allowed to accumulate and when amounting to a sufficient sum to be used as a loan fund.

Exemptions from final examinations are granted to those students in full courses (i. e., three- or four-hour courses) who maintain grades of A or B; but all students are required to take the mid-year examinations. The exemptions are announced at the last recitation before the final examinations.

*Reports; Warnings; Probation.* A report of scholarship is sent to every student's parents or guardian at the close of each semester and at such other times as the Dean may think expedient. At the middle of each semester warnings of low scholarship are issued, a copy of which is sent both to the student and his parent. If a student who has been warned fails to improve, he may be placed on probation for the remainder of the semester. If his attendance or scholarship continue unsatisfactory, the Dean may recommend to the Administrative Board that he be required to withdraw from college.

Probation, whether for attendance, deportment, or scholarship, implies (1) that the student may be absent from every class only for extraordinary reasons, the reasonableness of which is to be judged by the Committee on Absences, (2) that his conduct or scholarship must show immediate improvement, (3) that during his probation he may not represent the college in any public function.

*Absences.* A student is expected to attend *every* college exercise assigned to him, unless prevented by imperative reasons. No cuts are allowed. To cover such cases as incidental illness, a student will not be penalized unless he has exceeded the following number of absences: each exercise of one hour a week, 1; of two hours, 2; of three hours, 3; of four hours, 4. If he exceeds that number, he is, unless the Dean otherwise decides, automatically placed on probation. Any communication regarding absences must be made in writing.

*Reports of absences.* At the beginning of each week, reports of all absences incurred during the previous week in every class are posted, by classes, on the bulletin board. Students should see that these reports tally with the record of absences which they should keep for their own benefit, and any discrepancy should be first reported to the instructor, who will, if necessary, give the student a written correction to be taken to the office.

All absences incurred during the day immediately before or following a vacation or recess are counted double.

In cases of conflict of classes, prescribed work takes precedence over elective, and studies of an earlier year over those of a later.

# Departments of Instruction

Courses enclosed within brackets are not offered in 1921-1922.

Courses starred are open to both graduates and undergraduates.

## ART

MR. OLMSTED

[1. *Appreciation and History.* Lectures and discussions on art and its modes of expression during the various periods of history and civilization, the subject being treated from the viewpoint of appreciation rather than from merely historical accuracy.

*Credit, three semester hours; year course (for seniors or juniors).*  
MR. OLMSTED]

[15. *Theory and Practice of Teaching Art.* Lectures and discussions outlining the work in art education in elementary and intermediate schools, with such practical work as is necessary to develop the ideas brought out in the theory of the course.

*One hour a week throughout the year.* MR. JACOBS.]

## ASTRONOMY

PROFESSOR MOORE

1. *Descriptive Astronomy.* An introductory course discussing general facts and principles, together with a study of the earth, moon, sun, planets, comets, stars, nebulae, and the structure of the heavens. Considerable attention is given to recent theories of cosmogony and the results of modern investigation. The course also aims to help the student to become familiar with the names and locations of many of the constellations and first magnitude stars.

*Three hours a week throughout the year.*

## BIBLIOGRAPHY

DR. SHEARER, OTHER MEMBERS OF THE FACULTY, AND  
OCCASIONAL LECTURERS

1. This course is intended to supplement every course in college and to develop an ability, through frequent example and reference, to command the literature on any subject. The course covers: general and subject bibliography, the latter being divided into language and literature, nine periods; history, economics, government and sociology, nine; science and mathematics nine; education, philosophy, music and art, eight.

Open to all students; required of Library Science students expecting to take the full course.

*Two hours a week throughout the year.*

2. *Book selection.* Principles and practice.

*One hour a week throughout the year.*

## BIOLOGY

PROFESSOR SHADLE, MISS CHESEBROUGH, AND ASSISTANTS

1. *Botany.* A general course in morphological, physiological and systematic botany, including an elementary study of the problems of cytology, reproduction, evolution and ecology.

*Two lectures or recitations and two laboratory periods of two hours each, weekly, throughout the year; credit: eight semester hours.* MISS CHESEBROUGH.

2. *Zoology.* A general survey of the animal kingdom, with detailed study of type specimens in the laboratory. Particular emphasis is placed upon the physiological reactions and the perfection of the animal body, as well as the adaption of the animal to its environment. The economic importance of the various groups is also considered.

*Two lectures or recitations, and two laboratory periods of two hours each, weekly, throughout the year; credit: eight semester hours. Required of premedical freshmen.* PROF. SHADLE AND MISS CHESEBROUGH.

3. *Dendrology.* A course dealing with the identification and structure of trees and shrubs in both winter and summer condition. Laboratory work and field trips when the weather permits.

*One lecture and one two-hour laboratory period weekly, throughout the year; four semester hours credit.* MISS CHESEBROUGH.

5. *\*Technique.* The theory and practice of collection, preservation, and preparation of biological material for laboratory purposes. The fixation, dehydration, embedding, cutting, staining, and mounting of material for microscopic examination is discussed, with opportunity for considerable practical experience. This course is primarily for teachers, or for those preparing to teach biology. The number in the course is limited to four.

*Hours and credit to be arranged by interview.* PROFESSOR SHADLE.

6. *Comparative anatomy of vertebrates.* A detailed comparative study of the various systems of organs in types of the several classes of vertebrates. The object of this course is to broaden the student's knowledge of the structure of the higher animals and to lay a better foundation for the understanding of human anatomy, as well as to acquire skill in the dissection and demonstration of structures.

Prerequisite: Biology 2. Required of pre-medical sophomores.

*Two laboratory periods of two hours each, and two hours of lecture or*



*recitation, weekly throughout the year. Credit: eight semester hours.*  
PROFESSOR SHADLE.

## CHEMISTRY

PROFESSOR SY, PROFESSOR MORGAN, PROFESSOR IRONS, ASST. PROFESSOR BROWN, ASST. PROFESSOR RIEGEL, MR. WAITE,  
MISS HOLMES, MISS BENTZ

1. *Inorganic.* No previous knowledge of chemistry is required. The fundamental principles of chemistry are studied in connection with the metals and non-metals and their compounds. The course is given by experimental lectures and recitations.

The laboratory work of the first semester consists of experiments based on the work studied in the classroom. The work of the second semester consists of a simplified course in qualitative analysis. The student learns to identify the common metallic and acid ions by analysing various "known" and "unknown" solutions.

Required of pre-medical and pre-dental freshmen.

*Two hours of lecture or recitation and four hours of laboratory each week throughout the year. Eight semester hours credit.*

2. *Organic.* The chemistry of the hydrocarbons and their derivatives, both of the aliphatic and aromatic series, is studied. Special attention is given to the chemistry of the fats, proteins and saccharides.

The laboratory work consists of a study of the methods of purification and separation of organic substances, a qualitative examination for organic elements, and the preparation and reactions of about forty typical organic compounds.

Required of pre-medical sophomores.

Prerequisite: Chemistry 1.

*Two hours of lecture or recitation and three hours of laboratory each week throughout the year. Six semester hours credit.*

21. *Qualitative Analysis.* Laboratory work with lectures on solution, ionization, chemical and physical equilibrium, oxidation and reduction, and other subjects pertinent to the subject.

Prerequisite: Chemistry 1.

*Two hours of lecture or recitation and six hours of laboratory each week during the first semester. Five semester hours credit.*

22. *Quantitative Analysis.* (a) Gravimetric analysis. Lectures, recitations and conferences on the principles and methods involved. This course familiarizes the student with typical analyses and lays the foundation for all future quantitative work.

*One hour of lecture or recitation and four hours of laboratory each week during the second semester. Three semester hours credit.*



(b) Volumetric analysis. The principles and methods of volumetric analysis are discussed, including the calculations. The laboratory work consists of volumetric determinations by acidimetry, alkalimetry, oxidation, reduction and iodimetry.

*One hour of lecture or recitation and four hours of laboratory each week during the second semester. Three semester hours credit.*

Prerequisite: Chemistry 21.

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[Many opportunities for specialization are offered in sanitary, industrial, analytic, organic, physical, and physiological chemistry, any of which may be credited toward a B. S. degree and certain courses toward a Master's degree. For further information and description of these courses see Bulletin "Courses in Chemistry.]"

## ECONOMICS

MR. WHITNEY

1. *General Economics.* A study of the leading principles of economic science, with some applications to modern industrial conditions. Study of textbook and of assigned collateral reading is the basis of the work; discussion of this matter in class is supplemented by occasional lectures. A thesis is required.

*Three hours a week throughout the year.*

2. *Labor Problems.* A brief survey is made of the industrial revolution and of the development of the factory system in both Europe and the United States, followed by a study of the history of organized labor, its policies and methods. Legislation and questions affecting labor will be studied, with a consideration of such phases of socialism as bear directly on the subject. Discussion of text-book and assigned reading. At least one thesis required.

Prerequisite: Economics 1, or its equivalent.

*Two hours a week throughout the year.*

## EDUCATION

[For information regarding Normal School credits, and curriculum for graduates, see page 25.]

The Board of Examiners of Buffalo has adopted a regulation in reference to qualifications for admission to the examination for high school grade certificate, as follows: (a) The candidate must not be over 40 years of age; (b) The candidate must be the holder of a degree from a college having a four-year course, and he must have included nine hours of educational courses. In lieu of such educational courses, a candidate may offer two years of teaching experience.

[Graduates of this college are eligible for the college graduate limited certificate to teach in this state. Those holding such a certificate may teach in any grade in any school in the state, unless prevented by local requirements.]

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MISS LEWIS, PROFESSOR LEARY, MISS LAWTON, MR. HEAD,  
MR. PILLSBURY, MISS BRYAN

1. *Primary Aims and Methods.* This course treats of the principles of teaching with special reference to children of the primary school, and is planned to meet the practical needs of teachers of the first six grades. Emphasis will be laid throughout the course upon the establishment of right habits of study and work in the beginnings of education with discussions of methods of accomplishment; throughout the course, plans of work which have actually succeeded with children rather than theories will furnish the basis of discussion. At frequent intervals there will be a demonstration class in order that the theories discussed may be more directly applied.

*One hour a week throughout the year.* MISS LEWIS.

2. *\*Administration and Supervision.* This course will be primarily designed for those who are interested in the administration and supervision of elementary schools. The principalship: the qualities of the principal; the modern conception of the principalship; the principal's relation to the superintendent, supervisors, and teachers; the principal and the public. The principal as administrator: organization of the school; classification of pupils; promotion schemes; marking system; hygiene and sanitation of the school. The principal as supervisor: observation of classroom work; vertical versus horizontal supervision; analysis of the lesson; improvement of teachers in service; lesson plans; school library; use of measurements.

*One hour a week throughout the year.* MR. PILLSBURY.

[3. *Industrial Arts.* This course is designed for industrial arts work in elementary schools, and will consist of demonstrations of the construction and use of ordinary tools; the fundamental principles underlying the big industries; the historical background, and the value of industrial arts to clarify ideas rather than as an end in itself.

*Two hours a week throughout the year.* MISS LAWTON.]

[4. *History of Education.* Beginning with a brief summary of the chief points of interest presented by Greek, Roman, and medieval education, this course devotes the greater part of attention to the history of education in the United States, studying in detail the life and work of a number of American educators and several of the most important modern experimental schools.

*Two hours a week throughout the year.* MR. HEAD.]

[5. *Problems of the Intermediate School.* This course is intended to give teachers a general view of the whole situation and to act as a prepara-

tion for the more extensive and specialized courses in the teaching of the various subjects in the intermediate schools.

*One hour a week throughout the year.* MR. PILLSBURY.]

6. *\*Philosophy of Education.* This course, intended primarily for teachers or social workers, will endeavor to show the intimate connections which exist or should exist between our educational theory on the one hand, and our current conceptions in social science, government, economics, etc., on the other. That is, our educational conceptions will be studied both as the product of past conditions and as the source for the future development and direction of society. Democracy, both as an ideal and as a growing reality, will be considered in detail in its connection with education.

*Three hours a week throughout the year.* PROFESSOR LEARY.

[7. *Supervised study.* The purpose of this course is to help teachers of intermediate grades to better methods of directing study. The "problem" and the "project" will be compared, practically worked out in class and used as a basis for demonstration. The particular problems of each teacher especially in history and geography will be met in definite manner.

*One hour a week throughout the year.* MISS BRYAN.]

[8. *Contemporary ideals and practical results in education.* A course designed to interest principals, supervisors, experienced teachers and men and women outside the teaching profession. It aims to study education from the standpoint both of public demand—what it is and what it should be—and school supply—what it is and what it should be. There will be a study of modern experimental schools to see what contribution they are making to education, and a careful analysis of such common terms as "the new education," "modern progressive schools," etc. Such a study of what constitutes an ideal school of today will involve discussion of environment, selection of teachers, organizations and curriculum, cooperation of parents, etc.

*One hour a week throughout the year.* MISS LEWIS.]

9. *Methods of teaching in high school.* A general course, making no attempt to deal with the special pedagogies of the individual subjects. It will cover: the pupil, including adolescence and individual differences; the teacher, with special reference to the qualities making for success or failure; discipline, especially indirect; teaching—acquisition of new knowledge, problem method, drill, testing, the assignment, art of questioning, lesson plan; marking system; measuring results of teaching; teaching how to study; extra-curricular activities.

Open to all present and prospective high school teachers.

*One hour a week throughout the year.* MR. PILLSBURY.

## ENGLISH

PROFESSOR GOETZ, MR. RHODES, MR. SINE, MISS WILNER,  
AND ASSISTANTS

1. *Rhetoric, composition, and oral discussion.* Constant drill in theme-writing.

*Three hours a week throughout the year. Required of all freshmen.*  
MR. SINE, MR. RHODES, MISS WILNER.

2. Historical survey of English literature from the beginnings to Stevenson. Primarily a reading course based on some standard anthology.

Prerequisite: English 1.

*Two hours a week throughout the year. Required of all sophomores.*  
MR. SINE.

3. *Great English poets of the nineteenth century.* Wordsworth, Keats, Shelley, Byron, Tennyson, Browning. Conferences, themes, collateral reading. A thesis is required.

Prerequisite: English 1.

*One hour a week throughout the year.* MR. RHODES.

[4. *The Essay in the Eighteenth Century.*

Prerequisite: English 1.

*One hour a week throughout the year.* PROFESSOR GOETZ.]

[5. *Advanced Composition.*

Prerequisite: English 1.

*One hour a week throughout the year.* PROFESSOR GOETZ.]

6. *Scientific Terminology.* The object of this course is to familiarize students with the derivation and composition of the commoner scientific terms.

Prerequisite: English 1.

*One hour a week throughout the year. Required of pre-medical sophomores.* PROFESSOR GOETZ.]

[7. *The Essay in the Nineteenth Century.* Extension of English 4, with special attention to Lamb, Hazlitt, and Stevenson.

Prerequisite: English 1.

*One hour a week throughout the year.* PROFESSOR GOETZ.]

8. *Shakspeare.* Rapid reading of all the plays, with careful study of one of the tragedies.

Prerequisite: English 1.

*One hour a week throughout the year.* PROFESSOR GOETZ.

9. *The chief American poets.* Bryant, Poe, Emerson, Longfellow, Lowell, Holmes, Whittier, Aldrich, Lanier, Whitman, and the leading contemporary poets.

Prerequisite: English 1.

*One hour a week throughout the year.* MR. RHODES.

[10. *The short story.* A reading course, to be supplemented by lectures or running comments on the beginnings and development of the short story as a literary form, together with reports on stories specially assigned.

Prerequisite: English 1.

*One hour a week throughout the year.]*

11. *The Novel.* A reading course of seminar conferences. The novel in England and America considered as a developing literary form and as an interpretation of life. About thirty novels will be read.

Prerequisite: English 1.

*One hour a week throughout the year.* MR. RHODES.

[12. *English criticism, its history and development.* English criticism from the time of Sir Philip Sidney to the end of the nineteenth century. There will also be practical exercises for the application of principles.

Prerequisite: English 1.

*Two hours a week throughout the year.* PROFESSOR GOETZ.]

13. *Contemporary drama.* A brief review of the drama from Sheridan to Bulwer-Lytton will be followed by closer study of the principal nineteenth and twentieth century dramatists, English, American, and continental. Lectures, discussions, critical reports.

Prerequisite: English 1.

*Two hours a week throughout the year.* MR. SINE.

14. *Robert Browning, the man and the message.* An intimate examination of Browning's chief works. Readings, conferences, and informal discussions. A thesis is required.

Prerequisite: English 1.

*One hour a week throughout the year.* MR. RHODES.

[15. *Problems and Methods in the Teaching of English in Secondary Schools.* Conferences and discussions.

*One hour a week throughout the year.* MR. RHODES.]

[18. *Debating.* A course combining theory and practice in debate, including brief-making and formal argumentation.

*One hour a week throughout the year.]*

[20. *Public Speaking.* A study of the principles of oral expression through platform interpretation of passages from great orations, together with practice in the preparation and delivery of brief, original addresses.

*One hour a week throughout the year.]*



## FRENCH

MME. CASASSA, MR. CASASSA, AND ASSISTANT

(The courses in French are conducted largely according to the Direct Method, French being almost entirely the language of the class-room.)

1. *Elementary.* From the beginning of the course: reading of easy texts, conversation on the texts read, reproduction from memory of the texts read; translations in both languages, dictations, easy compositions.

*Three hours a week throughout the year.* MME. CASASSA.

2. (*Intermediate*). Continuation of French 1, including reading of standard and (for pre-medical students) scientific texts; conversation on texts read; dictations, more advanced composition.

Prerequisite: French 1.

*Three hours a week throughout the year.* MR. AND MME. CASASSA.

3. (*For pre-medical students*). Constant practice in speaking and writing French. Advanced reading on scientific subjects. Discussions on the subjects read, and written essays and oral discussion of illustrated lectures on scientific subjects to be given by the instructor.

Prerequisite: French 2.

*Three hours a week throughout the year.* MR. CASASSA.

4. *French literature from its beginning to the end of the sixteenth century.*

Reading texts to be selected during the year.

Prerequisite: French 2, or its equivalent.

*Three hours a week throughout the year.* MME. CASASSA.

5. *French literature in the seventeenth and eighteenth centuries.*

Reading texts to be selected during the year.

Prerequisite: French 4.

*Three hours a week throughout the year.* MR. CASASSA.

6. *French literature in the nineteenth century.*

Prerequisite: French 5.

*Three hours a week throughout the year.* MR. CASASSA.

[15. *The Theory and Practice of teaching French.*

*One hour a week throughout the year.]*

## GEOLOGY

MR. PIPER

1. *General earth science.* This course includes a synopsis of the leading facts and principles of geology, the study of common rocks and minerals, the interpretation and construction of maps. Field work will include studies



of the phenomena of dynamical, structural, and historical geology at Niagara Falls and many other points along the Niagara frontier.

*Two recitations or lectures; field work, when the weather permits (at hours to be arranged), weekly, throughout the year. Six semester hours credit.*

[2. *Physiography*. A study of the surface of the earth, including the interactions of the atmosphere, hydrosphere and lithosphere and their effects upon the life of the earth; aerography, with its practical relation to aerial navigation; weather and climate, with instrumental observations of the weather; contour maps and field studies of topographic features of Western New York; the history of nations as affected by topography.

*Two recitations or lectures with regular laboratory work two hours; field trips to be arranged. Six semester hours credit.]*

## GERMAN

MR. SIEKMANN

2. (*Intermediate*). The first semester is devoted primarily to the reading of easy modern prose and to rapid review of grammar. Premedical students are given practice in scientific subjects. The second semester is given to the reproduction of ordinary narrative English into German, and to original composition and conversation based on texts read.

*Three hours a week throughout the year.*

3. (*Advanced*). This course is conducted almost altogether in German and includes constant practice in speaking and writing German. It is mainly devoted to the reading and interpretation of selections from Lessing, Goethe, Schiller, Heine, etc.

Prerequisite: German 2, or its equivalent.

*Three hours a week throughout the year.*

## GOVERNMENT

MR. COHEN

1. *Government and political theory*. The first part of the course will be devoted to a critical and historical study of political theories and governmental institutions, including an examination of the outstanding features of bolshevism, the social state, and modern internationalist doctrines. The second part of the course will consist of an analysis of the American political system—national, state and municipal; its origin, development and present tendencies, together with a brief comparison of the American system with the more important European governments.

Lectures, discussion and collateral reading.

*Three hours a week throughout the year.*

## GREEK

PROFESSOR GOETZ, MISS WILNER

1. *Course for beginners.* Early attention to developing ability to read simple prose at sight. (Not open to those who offer elementary Greek for admission.)

*Three hours a week throughout the year.* PROFESSOR GOETZ AND MISS WILNER.

2. *Attic prose authors.* Selections from Xenophon and others for assigned and sight reading.

Prerequisite: Greek 1.

*Three hours a week throughout the year.* PROFESSOR GOETZ AND MISS WILNER.

3. *Homer.* Selections from the Iliad and the Odyssey.

Prerequisite: Greek 2, or its equivalent.

*One hour a week throughout the year.* PROFESSOR GOETZ.

## HISTORY

PROFESSOR PARK, DR. SHEARER, MR. MITCHELL, AND ASSISTANTS

1. *European history from Charlemagne to Frederick the Great, 800-1740.* This course will deal with the main lines of the development of Europe and will furnish a background for the Europe of the nineteenth century. It includes Charlemagne's empire, feudalism, medieval life, the papacy, Mohammedanism, the crusades, the Renaissance, the Reformation, the wars of religion, the rise of modern states, discoveries and colonization. Lectures, text-book, collateral readings, recitations. Particular attention is given to the method of study and the use of materials by the student.

This is the fundamental course in the department, being the prerequisite for the other courses in European and English history.

*Three hours a week throughout the year. Freshman or sophomore (Arts) required course.* DR. SHEARER.

2. *European history from 1740 through 1870.* A continuation of History 1, the first semester opening with the accession of Frederick the Great and closing with the fall of the Napoleonic empire, including a somewhat detailed study of the French Revolution and Empire. The history of Europe from 1815 to 1871 forms the work of the second semester, special attention being given to the unification of Italy and Germany, and to major political changes in France.

Prerequisite: History 1.

*Three hours a week throughout the year.* PROFESSOR PARK.

3. *European history from 1871 to 1918.* The diplomatic background of the Great War, together with significant features of its conduct. Considerable collateral reading.

Prerequisite: History 2.

*Two hours a week throughout the year.* PROFESSOR PARK.

4. *Latin-American History and Conditions.* The Spanish colonial system; the wars for liberation, with biographies of the leaders; a synopsis of the later political and economic development of the republics, and present conditions and opportunities.

Considerable collateral reading; lectures.

*Two hours a week during the second semester.* PROFESSOR PARK.

[5. *History of the United States, 1740-1865.* The formation of the United States, tracing the course of the Revolution, the creation of a federal government, and the establishment of an independent federal policy; the rise of Northern and Southern sectional antagonism, culminating in the triumph of the Union.

*Three hours a week throughout the year.* PROFESSOR PARK.]

[6. *History of the United States, 1865-1918.* A continuation of History 5.

*Three hours a week during the first semester.* PROFESSOR PARK.]

8. *English History.* The chief constitutional, political and social features of English history, with extensive reference to the literature and an intensive study of a selected topic in each semester.

Prerequisite: History 1.

*Two hours a week throughout the year.* MR. MITCHELL.

10. *Regional history.* Lectures and collateral reading on the history of the Niagara frontier from the days of the French explorations to the present.

*One hour a week during the first semester.* PROFESSOR PARK.

[15. *The teaching of history in intermediate and high schools.* Conferences and discussions.

*One hour a week throughout the year.]*

\*16. *Seminar in the American Revolution.* Especial reference to the interpretations of various historians, and to the pamphlet material.

*Open only to graduates. Credit: Six semester hours.* DR. SHEARER.

[\*17. *Seminar in the French Revolution and Napoleon.* The permanent influences of this period, and especially the relation of the Revolution to modern world conditions, will be considered. A reading knowledge of French is required.

*Open only to graduates. Credit: Four to six semester hours.* PROFESSOR PARK.]

## ITALIAN

MR. DI BARTOLO

1. (*Elementary*). Fundamental principles of grammar phonetics, with close attention to pronunciation and expression. Composition and oral

drills are continued throughout the year, alternated with reading of simple texts, dictation, and simple conversation.

*Three hours a week throughout the year.*

2. (*Intermediate*). Review and continuation of the study of grammar; reading and critical study of modern and classical authors; composition and conversation based upon the texts read.

Prerequisite: Italian 1 or its equivalent.

*Three hours a week throughout the year.*

[3. (*Advanced*). Conversation and reading, including a survey of Italian literature.

Prerequisite: Italian 2, or its equivalent.

*Three hours a week throughout the year.]*

## LATIN

PROFESSOR GOETZ AND MISS WILNER

A. *Elementary* (for teachers only). Drill in inflections, syntax, word-formation.

*Three hours a week throughout the year.* PROFESSOR GOETZ AND MISS WILNER.

1. Reading at sight: Cicero's letters; selections from prose writers, especially Sallust; Vergil's Aeneid (books vii-xii).

*Three hours a week throughout the year. Required of Arts freshmen.* PROFESSOR GOETZ AND MISS WILNER.

2. Reading at sight: Ovid (selections); Terence (*Phormio*); Tacitus (*Agricola* or *Germania*); Pliny (selected letters); Latin prose composition.

Prerequisite: Latin 2.

*Three hours a week throughout the year.* PROFESSOR GOETZ AND MISS WILNER.

3. Reading at sight: Horace (selected odes); Lucretius (one book of *De Rerum Natura*); Juvenal (selections); Latin prose composition, based on Erasmus and modern translations into Latin.

Prerequisite: Latin 3.

*Three hours a week throughout the year.* PROFESSOR GOETZ.

## MATHEMATICS

PROFESSOR SHERK, MR. HARRINGTON, AND ASSISTANTS

1. (a) *Algebra and Trigonometry*. A brief review of elementary algebra, including quadratic equations, series, and logarithms; trigonometric functions, formulae, identities, equations, inverse functions, solutions of triangles, and applications.

*Four hours a week during the first semester.*

(b) *Plane Analytic Geometry*. The straight line, the circle, transformation of co-ordinates, conic sections, higher plane curves, tangents and normals, polar co-ordinates. The concept of functionality is made the unifying element in both courses (a) and (b).

*Four hours a week during the second semester. 1 (a) and (b) required of all freshmen.* PROFESSOR SHERK AND MR. HARRINGTON.

2. *Plane Surveying*. The adjustment, care and use of instruments. The first eight weeks are spent almost entirely in field work. Measurements by chain and tape, profile leveling, running level lines closing on starting point, and the simpler field surveys with the transit. Plotting and comparing from field notes, determination of the true meridian, cross section work for embankments and excavations, topographical surveys, stadia measurements, simple curves. Those who desire to enter this course will consult the instructor in charge before registering.

*Credit: Two hours. Field work two periods a week.* PROFESSOR SHERK AND MR. HARRINGTON.

3. (a) *Mechanical Drawing and (b) Descriptive Geometry*.

(a) Lettering, elementary orthographic projection, sketching, drawing simple machine parts, working drawings and tracings, standard drawing room conventions and titles, the technique and principles of representation in general.

(b) Point, lines, and plane problems; ruled surfaces; intersections and developments; theory of orthographic, isometric, and oblique projection; linear perspective; shades and shadows of various surfaces.

*Two drawing periods of three hours each and one recitation period per week throughout the year.. Credit, three hours.* MR. HARRINGTON.

(Mathematics 2 and Mathematics 3 are designed to meet the needs of those students who are planning to enter engineering courses.)

4. *Solid Analytic Geometry and Determinants*. The plane, straight line, the sphere, cylinders, cones, surfaces of revolution, transformation of co-ordinates, spherical and cylindrical co-ordinates, quadric surfaces, and ruled surfaces; and introduction to determinants.

*Two hours a week throughout the year.* PROFESSOR SHERK.

5. *Calculus, differential and integral*. Theory of limits, derivatives of algebraic functions with applications, anti-derivatives of simple algebraic functions, differentials, derivatives of transcendental functions, successive differentiation and integration, definite integrals and applications to geometry and mechanics, special methods of integration, functions of two or more variables, multiple integrals, infinite series, approximate integration.

Course 4 should either precede or parallel this course. Course 1 is prerequisite.

*Three hours a week throughout the year.* PROFESSOR SHERK.



5a. *Plane and Solid Analytic Geometry, Differential and Integral Calculus.* This course will include work as outlined in Mathematics 1 (b), 4, and 5. It is planned for students of engineering.

Course 1 (a), or its equivalent, is prerequisite.

*Six hours a week throughout the year.* PROFESSOR SHERK.

6. *College Algebra.* A rapid review of elementary algebra, series, permutations and combinations; determinants, and a more detailed study of the theory of equations.

*Two hours a week throughout the year.* PROFESSOR SHERK.

7. *Analytic Mechanics.* Motion of a point, velocities and accelerations in the rigid body, relative motion, centers of mass, momentum, force, energy, statics of the rigid body, attractive forces, kinetics.

*Three hours a week throughout the year.* PROFESSOR SHERK.

[8. *Advanced Calculus.* (Offered 1922-23.) Lecture course: Introduction to differential equations; classification of functions with their integration; the definite integral with applications; elliptic integrals.

Prerequisite: Mathematics 5.

*Three hours a week throughout the year.* PROFESSOR SHERK.]

15. (a) *The Teaching of Elementary Algebra.* The content of the course will depend upon the mathematical training and teaching experience of the class. The object is to secure a thorough knowledge of the subject matter, a notion of the nature of algebra, an acquaintance with approved methods of presenting the various topics to children, and a broad view of what others are doing in this field. Each member will be required to prepare a paper on an assigned topic.

*One hour a week throughout the year.* PROFESSOR SHERK.

## PEDAGOGY

(See Department of Education)

## PHILOSOPHY

DR. BOYNTON

1. *History of European Philosophy.* This course will treat of the successive steps in the higher culture of the European peoples, from primitive thought to the beginning of the twentieth century. Each stage will be exhibited in close relation to contemporary social life and institutions. Without neglecting the specific contributions of the greater thinkers, the evolutionary point of view will be maintained and the continuity of the subject emphasized throughout.

Course 1, 2 or 3 is required of all upperclassmen.

*Three hours a week throughout the year.*

2. *Ethics, individual and social.* A discussion of the principles of human conduct, including their development in the Graeco-Roman and

modern periods will be followed, in the second semester, by an extended survey of the application of these principles to modern social conditions as exemplified in our democratic communities.

Course 1, 2 or 3 is required of all upperclassmen.

*Three hours a week throughout the year.*

3. *Logic and scientific method.* During the first semester the essentials of logic will be studied, as a guide to straight thinking and clear expression. In the second semester the principles already learned will be applied to selected problems of scientific method, the philosophy of science, theory of knowledge, and metaphysics.

Course 1, 2 or 3 is required of all upperclassmen.

*Three hours a week throughout the year.*

[4. *\*From Descartes to Kant.* Intensive study of an important period of European philosophy.

Open to seniors and graduates. Prerequisite: Philosophy 1.

*Credit, six semester hours.]*

[5. *\*Seminar in American thought.* Reading of the literature under direction of the instructor with frequent written reports and a thesis.

Open to seniors and graduates. Prerequisite: Philosophy 1.

*Credit, six semester hours.]*

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See also Education 6—Philosophy of Education.

## PHYSICS

PROFESSOR MOORE, ASSISTANT PROFESSOR COOKE

1. *General Physics.* The work of the first semester is devoted to mechanics, molecular physics, and heat; the second semester, to electricity, sound and light. The course aims at a careful development of the subject from the modern point of view, giving the student an introduction to the scientific method and enabling him to lay a good foundation for further study along either technical, professional, or pure science lines.

Prerequisite: Mathematics 1.

*Three lectures or recitations and two laboratory exercises of two hours each, weekly, throughout the year; ten semester hours credit. Required of science and pre-medical sophomores.* PROFESSOR MOORE AND ASSISTANT PROFESSOR COOKE.

2. *Electricity and Magnetism.* This course offers an opportunity for a more detailed study of the phenomena of electricity and magnetism, and is accompanied by laboratory practice in electrical measurements.

Prerequisite: Physics 1.

*Two lectures or recitations and two laboratory exercises of two hours each, weekly, throughout the year; credit, eight semester hours.* PROFESSOR MOORE.

3. *\*Advanced Laboratory Course.* Special laboratory problems are assigned to the students in this course, their entire time being spent in the laboratory.

Prerequisite: Physics 2 and Mathematics 5 (Calculus).

*Credit, six semester hours.* PROFESSOR MOORE.

[4. *Optics.* (Offered 1922-23.) This course offers an opportunity for a more detailed study of light from both the geometrical and the physical point of view, covering lenses, optical instruments, prisms, the spectrum and prolonged light.

Prerequisite: Physics 1.

*Two lectures or recitations, and two laboratory exercises of two hours each weekly throughout the year; credit, eight semester hours.* ASSISTANT PROFESSOR COOKE.]

[5. *\*The Kinetic Theory.* (Offered 1922-23). A lecture course for advanced and graduate students, covering the kinetic theory of gases, liquids, and solids, and elementary thermo-dynamics.

Prerequisite: Physics 2 or 3, Mathematics 5.

*Credit, six semester hours.* PROFESSOR MOORE.]

## PSYCHOLOGY

PROFESSOR LEARY, AND ASSISTANT

1. *General Psychology.* This course is intended to develop a working understanding of the modern objective field of psychology, as well as to furnish a background for the more detailed course in Educational Psychology. The so-called "dynamic" point of view will be maintained throughout. A detailed presentation of the original nature of man will be used as a basis for the future discussion of learned and skillful abilities, thinking, and doing. The social instincts will be considered in their function as the basis of character and social activity. Occasional experiments will be made to bring out fundamental points. Lectures, recitations, reports and collateral reading.

*Three hours a week throughout the year. Sophomore or Junior required course, and required of teachers.*

2. *\*Educational Psychology.* This course will give a thorough treatment of psychology with reference to education, covering (1) original nature and the inherited foundations of intellect, morals, and skill, (2) the laws of learning, the improvement and the deterioration of mental functions, (3) individual differences, the influence of sex, race, immediate ancestry, maturity, and training. Emphasis will be placed on the use of psychology in teaching and in the problems of curricula and method. The use of statistics and the representation of facts of human nature, in diagrams will form a part of the course.

Prerequisite: Psychology 1.

This course is required of teachers.

*Three hours a week throughout the year.*

3. *\*Applied Psychology.* A general course, covering the field of comparative psychology, the subnormal and the superior, Freudian psychology and its derivatives, psychiatry and applied analytical psychology, social psychology, psychology in relation to art, religion, history, literature, and industry.

Recommended as a parallel course for those taking course 5. Prerequisite: Psychology 1 or 2, also interview with instructor.

*Three hours a week throughout the year.*

5. *\*Seminar in Applied Psychology.* The year will be devoted to the practical working out of some problem in this field. The class will meet for several initial discussions and conferences, after which the work will consist largely in research on the problem chosen and conferences with the instructor.

Open only to graduates except with special permission. Prerequisite: Course 1, 2 or 3 (course 3 advised as parallel course).

*Three hours a week throughout the year.*

## SOCIOLOGY

DR. BOYNTON

1. *Introduction to Sociology.* Beginning with an analysis of the factors that combine to make up the life of the community, this course will discuss their development from earlier stages of social organization, the methods of their orderly control, and the leading problems which are thus presented to the student of social science, the parent, the citizen, the teacher, and the professional social worker.

*Three hours a week throughout the year.*

## SPANISH

MR. SOTO

(The courses in Spanish are conducted largely according to the Direct Method, Spanish being, as far as possible, from the beginning the language of the classroom.)

1. *Elementary Grammar and reading of classical and modern Spanish.* This course includes a practical training in the language.

*Three hours a week throughout the year.*

2. *Advanced grammar; commercial Spanish.* Constant practice in conversation, reading, and composition.

Prerequisite: Spanish 1.

*Three hours a week throughout the year.*

# Course in Library Science

AUGUSTUS H. SHEARER, PH. D., DIRECTOR  
MARGARET V. S. WALLACE, RECORDER

This course is given by co-operation with the Buffalo Public and Grosvenor libraries. Instruction is given by members of the library staffs, by members of the University faculty, and by specialists. The aim is to give practical training in library work to college students, together with general courses in bibliography and library science. For students who are candidates for the A. B. or B. S., the course may be counted as one year toward either degree. The Buffalo Public Library will add to its staff a certain number, and will give compensation of fifty dollars a month or more to students according to training. The Grosvenor Library will take other students for practice work, and for certain work will give compensation sufficient to cover the tuition. The number of students in the course will be limited by the number of openings for practical work. If the work of any student proves unsatisfactory, he may be dropped from the course, as the libraries cannot afford to give instruction to those who are not interested and to those whom the instructors consider not adapted for library work. Positions are not assured, but students naturally will be given preference in appointments at the Buffalo libraries. Practical work can begin during the summer, and unless it can be started before the date for lectures to begin, it will hardly be possible to complete the requirements by commencement time. The course may be extended over two years to advantage, in which case English, history, science (social and natural), are recommended as subjects for study while the practical work is being taken. Students are strongly urged to take two years, as it will be of great benefit to library usefulness and advancement. Library science students not college graduates will take the psychological and physical examinations required of other entering students. All students must take Library Science 1, 2, 3, 4, Bibliography 1 and 2, and other courses totaling three hours credit.

## CURRICULUM

BIBLIOGRAPHY 1. See Department of Bibliography, page 32.

BIBLIOGRAPHY 2. See Department of Bibliography, page 32.

LIBRARY SCIENCE 1. *General course.* The different phases of books, technical processes, administration and library history. Required of all students.

*Three hours a week throughout the year.* DR. SHEARER, MR. WALTER L. BROWN, and others.

2. *Cataloguing.* Includes classification, accessioning, shelf listing and filling. At least 270 hours, *i. e.* three hours practical work for each credit hour, with report and examination.

*Three hours credit.* MISS CHANDLER, MISS FUCHS.



3. *Reference work.* Contact with the public in seeking and presenting sources of information. At least 180 hours, *i. e.* three hours practical work for each credit hour, with report and examination.

*Two hours credit.* DR. SHEARER, MR. HIBBARD, MR. SHEPARD, MISS KING.

4. *Loan desk and circulation.* Contact with the pupils by securing books for home reading; loan systems. At least 180 hours, *i. e.*, three hours practical work for each credit hour, with report and examination.

*Two hours credit.* MR. PARSONS.

5. *Branch Libraries.* Systems and administration. At least 120 hours, *i. e.*, four hours practical work for each credit hour, with report and examination.

*One hour credit.* MISS HOLZAEPFEL.

6. *School Libraries.* Part time with the Buffalo Public Library with its system of grade libraries, part time in a high school library. Either 120 practical hours for one credit hour, or 180 practical hours for two credit hours. MISS LEWIS, and assignments to high school libraries.

7. *Children's Work.* Includes story-telling. At least 180 hours, *i. e.*, three hours practical work for each credit hour, with report and examination.

*Two hours credit.* MISS EVANS.

8. *Order Work.* Ordering, billing, and receiving books and periodicals; gifts, continuations and accessioning. At least 180 hours, *i. e.*, three hours practical work for each credit hour, with report and examination.

*Two hours credit.* MISS LANSING, MRS. LORD, MISS WALLACE.

9. *Book Selection.* See Bibliography 2.

10. *Special Libraries.* Experience and practice in conduct and administration of special libraries. At least 200 hours, *i. e.*, more than three hours for each credit hour.

*Two hours credit.* Assignment to special libraries.

11. *Administration.* Executive and administrative problems in daily practice. At least 200 hours, *i. e.*, more than three hours for each credit hour.

*Two hours credit.* DR. SHEARER.

## SPECIAL LECTURERS

Miss Anna G. Hall, State Library Organizer, Albany.

Miss Sabra W. Vought, School Libraries Department, Albany.

F. W. Faxon, Faxon Book Company, Boston.

Miss Mary C. Richardson, Geneseo Normal School.

W. N. C. Carlton, L.H.D., Librarian Williams College.  
W. P. Cutter, National Aniline and Dye Company's Library.

## **LECTURERS IN BIBLIOGRAPHY**

Professor Goetz, Professor Park, Professor Sy, Professor Leary, Professor Moore, Professor Sherk, Professor Shadle, Dr. Shearer, Dr. Boynton, Mr. Sine, Mr. Olmsted, Mr. Piper, Mr. Head, Mr. Siekmann, of the University faculty; Professor Lappin (D'Youville College), Mr. Carpenter (Albright Art School), Mr. Shearer (organist, Westminster Church).

## **LECTURERS IN BOOK SELECTION**

Mr. Brown, Mrs. Elmendorf, Miss Evans, Miss Becker (Buffalo Public Library); Dr. Shearer, Mr. Hibbard (Grosvenor Library); Dr. Cummings, Mr. Alexander (Buffalo Society of Natural Sciences); Mr. Bright (Fidelity Trust Company).

# General Information

## FEES

Every student on entering the college is required to pay a matriculation fee of \$5, which is not returnable. This fee is payable only once during the student's connection with the college and is not required of students transferring from another institution if evidence is submitted that such a fee was paid in the former institution.

All fees for instruction and other items, shown in the following table, are payable in advance on or before the first day of each semester. In case payment is not made within two weeks the student is suspended until he is no longer in arrears. Absence due to such exclusion will be deducted from the student's allowance of absence. No student may receive a certificate of honorable dismissal until he has paid all dues to the college treasurer and returned all books to the library.

Matriculation .....	\$ 5.00
Tuition fee for all regular students (those carryinig from 16-18 hours weekly) and for special students carrying 9 hours or more, each semester .....	100.00
Student activities fee (paid by regular students) each year.....	12.00
Breakage deposit (required of all students carrying 9 hours or more and of all students carrying any science).....	10.00
Graduation fee .....	10.00
Laboratory fees, payable at beginning of first semester:	
Chemistry .....	15.00
Physics .....	10.00
Biology .....	10.00
Lockers are rented for—yearly.....	1.00

*Fees Governing Special Students.* Special students are those taking less than 16 hours of work weekly. The fee is \$12 for each hour of instruction per week; that is, for a course (such as English 1 occurring three hours a week) the fee would be \$36 a year; for a course such as English 12 it would be \$24. In case, however, special students take work aggregating from 9 to 15 hours, inclusive, weekly, their tuition amounts to the same as that paid by regular students. For a semester course the charges are half those for a year course.

Registration on the part of both special and regular students is assumed to be for both semesters unless notice of withdrawal is received at the end of the first semester.

*Refunds.* If, on account of serious illness or other sufficient reason, a student withdraws before the middle of a semester, one-half of all the fees he has paid (exclusive of the matriculation fee and fees for student activi-

ties paid through the college) will be refunded; but no refunds will be made under other circumstances, nor will any balance from breakage deposits be refunded unless called for before June 30.

## SCHOLARSHIPS

*State University Scholarships.* Under the law of the State of New York (Chapter 292, Laws of 1913), State Scholarships have been established in the several counties of the State, to be maintained by the State as provided by law. Five such scholarships are to be awarded each county annually for each assembly district therein. Each such scholarship will entitle the holder thereof to the sum of one hundred dollars for each year of his attendance upon an approved college in this State during a period of four years. A person who receives such scholarship is not restricted in his choice of the college which he desires to attend, or as to the course of study which he proposes to pursue; provided that no such scholarship shall include professional instruction in law, medicine, dentistry, veterinary medicine, or theology, except so far as such instruction is within a regularly prescribed course of study leading to a degree other than in one of the above named professions; and provided further, that the college selected by the person entitled to such scholarship is situated within the State of New York, and is incorporated as a college and authorized under the laws of this State and the rules of the Regents of the University to confer degrees.

University scholars absent because of the performance of military service or of agricultural or industrial service are entitled to an extension of the period covered by their scholarships upon presentation of evidence satisfactory to the Commissioner of Education that they have been engaged in such service. In no case shall a scholar be entitled to receive more than the sum of one hundred dollars each year for a period of four years to aid him in the completion of a college education. The awards are made known about the middle of August each year.

For particulars in regard to the awarding of State Scholarships, application should be made to the Commissioner of Education, Albany, New York.

*University Scholarships.* (1, 2, 3) According to the terms of the gift by which Townsend Hall became the property of the University, three scholarships in the College are to be awarded in perpetuity to young women. These scholarships are known as (1) the Women's Educational and Industrial Union Scholarship, (2) the Fiske scholarship of household arts\*, and (3) the Founders' scholarship. The scholarships are of the value of \$200.

(4) The Buffalo City Federation of Women's Clubs established in 1909 the first scholarship for the future Arts College. In honor of the honorary

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\*Until such time as work in household arts shall be established this scholarship is applied in the College.

president of the Federation, Mrs. John Miller Horton, it is known as the Katherine Pratt Horton scholarship, and became available to young women during the session of 1914-15. It is of the value of \$100.

(5) The Women's Investigating Club of Buffalo has established for young women a general University scholarship, the recipient being free to choose the department in which it may be applied. This scholarship is of the value of \$100 annually, and requests for information, as well as applications, should be addressed to the chairman of the committee, in care of the University Treasurer.

(6) The Pascal P. Pratt scholarship for men is given by Mrs. John Miller Horton in memory of her father, who was one of Buffalo's early and prominent benefactors and philanthropists, long interested in the education and welfare of young men and in the diffusion of popular education. This scholarship is of the value of \$100.

(7) The Mothers' Club of Buffalo has established for graduates of the Buffalo high schools a scholarship for young men or for young women, the recipient being free to choose the department in which it may be applied. It is of the value of \$130 annually. Application should be addressed to the chairman of the committee, Mrs. Edward A. Graves, 181 Richmond Avenue.

Except where otherwise mentioned, the faculty awards all scholarships, and requests for application blanks should be addressed to the Dean. All applications must be filed before July 1.

*Regulations in applying for scholarships.* Other circumstances being equal, scholarships are ordinarily awarded on a basis of standing in preparatory school. Accordingly, a transcript of marks for the last four years should be furnished, preferably on the form used by the College, together with a recommendation from the principal of the school last attended.

All scholarships lapse at the close of the college year.

It is expected that applicants for scholarships will be fully prepared to enter the course desired without conditions. A holder of scholarship aid who fails to maintain a grade as high as C in at least half the number of hours carried during the previous semester renders himself liable to lose the scholarship.

Any one of the following causes may prevent the consideration of an application, or cause the forfeiture of a scholarship already awarded: Evidence satisfactory to the committee that the aid is not needed; any breach of college discipline; evidence of repeated unnecessary expenditures; physical condition below the average.

## **Rules Governing Awards of Supervisors' Scholarships**

1. There were awarded in 1921 to members of the entering class three scholarships of two years each, and three scholarships of one year each, to applicants residing in the city of Buffalo. The same number shall be award-



ed to applicants residing in any of the towns of the county of Erie. In 1922 and thereafter six scholarships shall be awarded annually to members of the entering class for a term of two years each; these scholarships shall also be equally divided between applicants from Buffalo and from the towns of the county, except in case there be fewer applicants from either the city or towns than scholarships to be awarded.

2. No application for 1922-23 scholarships will be considered which is received at the college office later than noon of Monday, September 11, 1922.\*

3. All applicants must be residents of Erie County for the four consecutive years immediately prior to the awarding of the scholarships.

4. All applicants must submit evidence, on the forms used by the college, of their full compliance with the entrance requirements for the course which they desire to pursue, and must at the time of applying state the course which they desire.

5. All applicants must submit a certificate of good moral character, signed by the principal of the school last attended. They shall also submit a written statement by the parent or guardian that the applicant is unable to obtain and the parent or guardian is unable to provide a college education without the financial assistance which the scholarship affords; the statement to be certified by the principal of the school last attended, as true to the knowledge and belief of the principal.

6. Since the awards are to be made on the basis of Regents' marks, applicants should see that the statement submitted from their school includes all Regents marks.

7. In case the number of applications from the city of Buffalo or from the towns of the county exceed, on the closing date for applications, the number of available scholarships, the scholarships shall be awarded by the authorities of the University of Buffalo on the relative rank of the applicants as determined by their marks in their Regents examinations.

8. All holders of two-year scholarships who fail to maintain an average of grade B (90-95%) in their University work for the freshman year, or who shall fail in any University subject, shall forfeit the second year of such scholarship; such vacancy to be filled by the authorities of the University of Buffalo from members of the same class who qualify under all these rules and regulations. If there be more qualifying applicants than forfeited scholarships, the award shall be made to the applicant having the highest average mark for freshman year.

9. Any person to whom any scholarship has been awarded, who is judged by the faculty to be guilty of a sufficiently serious breach of college

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\*Subject to revision.

discipline, shall forfeit the scholarship at the close of the semester in which the offence has occurred. At any time the faculty is to have authority to suspend or dismiss such student, even without previous warning if the offence warrants; and in any such case the scholarship shall be transferred for the second semester of the year (if the offence occurs in the first semester) to the next highest applicant.

## **ROOMS AND BOARD**

Rooms and board may be secured at reasonable rates near the University buildings. Information may be obtained at the office of Townsend Hall, and through the college department of the Young Men's and Young Women's Christian Associations. In freshman year the average expense for books and other supplies of instruction is from \$23 to \$25.

## **FACILITIES FOR SELF-SUPPORTING STUDENTS**

The University encourages self-supporting students, but it cannot undertake to furnish employment. The student department of the Y. M. C. A. conducts an employment bureau, through which assistance is given to men in finding outside work.

## **STUDENT ACTIVITIES**

The facilities of the several departments are united in their desire to encourage those student activities which make for a more complete fellowship among the students and for a greater solidarity throughout the institution as a whole.

Athletics are controlled by the Athletic Council. This board is composed of student representatives from each of the departments of the University, together with a faculty member chosen from each department, one of whom acts as faculty treasurer, and another as faculty manager.

The membership fee in this organization may be paid to the college treasurer at the time of paying the regular University fees. Upon the payment of this fee, the student receives from the Athletic Association a season ticket of admission to all University athletic events held in Buffalo.

Besides athletics, the undergraduate activities comprise a magazine, "The University Bison," a weekly paper, "The Bee," a year-book, "The Iris," musical clubs, including the University glee club, band and orchestra, dramatic club, the Y. M. C. A., etc. To supervise these and any other extra-curricular activities, there is an advisory faculty committee on student activities, composed of instructors from each of the departments.

The faculty of the College of Arts and Sciences has adopted the following eligibility rule: Any student in this college, in order to represent the University in any extra-curricular activity, must carry a full-time schedule

(at least sixteen year-hours) ; must attain at least a passing grade in every course; and must have no failures, conditional or absolute, from his previous work.

### **Committee on Student Activities**

Faculty of Medicine.....Dr. C. C. Cott, Mr. McDonald  
Faculty of Pharmacy...Mr. Hickman (Manager of Athletics), Prof. Lemon  
Faculty of Chemistry.....Professor Irons (treasurer), Professor Morgan  
Faculty of Law.....Mr. I. R. Templeton (chairman), Mr. Robertson  
Faculty of Dentistry. Professor Pankow and Professor Garretson (secretary)  
Faculty of Arts and Sciences.....Professor Sy, Mr. Sine

## **UNIVERSITY YOUNG MEN'S CHRISTIAN ASSOCIATION**

The object of the University Young Men's Christian Association is the development of an "all round" manhood. It believes in promoting fellowship among all students, and desires to make itself helpful in every way possible. To this end it seeks to assist all students in finding suitable boarding accommodations, securing employment, and to provide social gatherings of the right kind.

The membership fee is nominal and the membership ticket entitles the holder to valuable privileges at the Central Young Men's Christian Association building, which is one of the finest association buildings in the world. By a special concession the rate for the use of the gymnasium and plunge is made very low to University students, in order that all may be able to secure the physical training so essential to fullest health and highest efficiency.

### **Committee of Management**

#### **University Y. M. C. A.**

Faculty of Pharmacy.....Dean Gregory (chairman), Professor Long  
Faculty of Arts and Sciences....Dean Park (treasurer), Professor Sherk  
Faculty of Medicine.....Dr. Leonard, Professor Atwell  
Faculty of Dentistry.....Dean Squire, Professor Buell  
Faculty of Chemistry.....Professor Sy  
Faculty of Law.....Dean Alden  
Executive Secretary.....Robert H. Smith, Jr.

## SECOND COMMENCEMENT

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June 9, 1921

(Seventy-fourth Commencement of the University)

### The Degree of Bachelor of Arts was conferred upon

Florence Sara Graves  
Kenneth Dunham Greene

Virginia Miller  
Joseph Frederick Phillippi

### The Degree of Bachelor of Science was conferred upon

Florence Louise Bentz  
Vincent Aloysius Carberry  
Norman Augustus Nicholas Chassin  
Margaret Elsie Davis  
George Herbert DeViney  
Maconda Morgan Fillmore  
John Washburn Greenwood

Beulah Cooke Hitzel  
Helen Frank Miceli  
Katherine Christine Reif  
Katherine Elizabeth Sullivan  
Bertha Emma Terrasse  
Paul Wamsley  
Pearl Elvira Woodward

## PRIZES AND HONORS AWARDED

### GEORGE W. HOSMER PRIZES IN APPLIED ETHICS

Sidney Farber, 1924, "The Biological and Psychological Factors in the Free-Will Controversy." (First prize.)

Jessie C. Robillard, "The Teaching of Hygiene to College Students." (Second prize.)

### FRENCH DEPARTMENT PRIZES FOR EXCELLENCE IN COMPOSITION

G. Maxwell Williams, 1924 (first prize for scientific essay).

Adeline E. Harding, 1924 (first prize for literary essay).

Honorable mention—John V. Burns, 1924; Nova A. Gursslin, 1922.

### HONOR ROLL

Beulah C. Hitzel, 1921.

Adelle Land, Irene Wendling, 1922.

Sylvia M. Goergen, Marion A. Shanley, Emily H. Webster, Katherine C. Whittlesey, 1923.

Ruth E. Cary, Adeline E. Harding, Bernard N. Hoffman, Herbert S. Lein, Olive P. Lester, 1924.

# Students 1921-1922

(As of December 1, 1921)

## GRADUATE STUDENTS

(Candidates for a degree in 1922, 1923, or 1924)

Alport, Ruth J., B.Ed. (*University of Washington*),  
B.Pd. (*University of Buffalo*)  
Bostian, Russell A., B.S. (*Bucknell University*)  
Burrell, Archibald W., B.A. (*Cornell University*)  
Carberry, Vincent A., B.S. (*University of Buffalo*)  
Costello, John F., B.A. (*Grove City College*)  
Davis, M. Elsie, B.S. (*University of Buffalo*)  
Dry, Richard R., B.S. (*Pennsylvania State College*)  
Farrar, Emmons B., B.A. (*Colby College*)  
Gibbons, Oliphant, B.A. (*University of Pennsylvania*)  
Greene, Kenneth D., B.A. (*University of Buffalo*)  
Greenwood, John W., B.S. (*University of Buffalo*)  
Harrington, Carlos E., M.E. (*Cornell University*)  
Miller, M. Virginia, B.A. (*University of Buffalo*)  
Roberts, Garnett F., B.S. (*Syracuse University*)  
Stacy, Mabel M., Ph.B. (*Syracuse University*)  
Verwiebe, Frank L., M.E. (*Cornell University*)

## SENIORS\*

Agnew, Mary Clare H.	Guthrie, Horace B.
Bacon, Gertrude M.	Hanley, Janet R.
Bates, Margaret E., <i>Akron</i>	Higgins, Gordon H.
Black, Edith L., <i>Orchard Park</i>	Hoag, William T.
Champlin, Ellis H.	Hofmeister, Eugene
Cosack, Helen G.	Holl, Frederick J.
DeViney, Clara F.	Josephson, Emil
Drake, Ruth L.	Kempke, Ida L., B.Pd., ( <i>University of Buffalo</i> )
Foulke, Ruth M.	Kinnius, N. Charlotte
Frank, Solomon	Kreinherder, Henry W.
Gemmill, Anna M.	Land, Adelle H.
Gursslin, Nova A., <i>Fort Erie</i>	

\*Those who will be graduated in 1922 provided they secure credit for 128 hours are listed as seniors; those who have at least 64 hours to their credit are listed as juniors; those with 32, as sophomores. The above (with the exception of seniors) applies only to regular students. Only those carrying sixteen hours weekly during both semesters, who have satisfied all requirements for admission, are regarded as regular students.



## SENIORS—Continued

LaPorte, Mary F., <i>Port Washington</i> ,	Smering, Janey R.
N. Y.	Smith, Carlos W. L., <i>La Salle</i>
Loth, Charles H., <i>Springville</i>	Stein, James Y.
McCarthy, Mary M.	Sutton, Carrie M., <i>Akron</i>
Peck, Albert F.	Taylor, A. Katherine
Price, Gwendolyn M.	Wendling, Irene J.
Pritchard, Florence E.	Wickson, Mildred I.
Reichel, Leo M.	Wittlief, Bertha G.

## JUNIORS

Airey, Edward G.	Rice, Sara K.
Constantine, Walter E.	Rosenthal, Rose
Deuchler, Marion M.	Round, Natalie A., <i>Kenmore</i>
Goergen, Sylvia M.	Scofield, Maude B., <i>Cherry Creek</i>
Hershiser, Marion E., <i>Kenmore</i>	Shanley, Marion A.
Hoffman, Edward J.	Standart, H. Olive
Holmes, Margaret, <i>Orchard Park</i>	Webster, Emily H.
Hunt, Marion L., <i>Orchard Park</i>	Whittlesey, Katherine C.
Jacobson, Jeanette L.	York, Dorothy M., <i>Batavia</i>
Mago, Eleanor W., <i>Tonawanda</i>	

## SOPHOMORES

Alberti, Anthony A.	Ebersole, Edgerton O.
Bachman, John P.	Elsaesser, Arthur G.
Berwald, Herbert T., <i>Niagara Falls</i>	Farber, Sidney
Bickel, Mildred D.	Fischer, Edna E.
Bowers, A. Lerah, <i>Bernardsville, N. J.</i>	Freese, Walter C., <i>Silver Creek</i>
Broardt, Edith C.	Friedland, Martin
Buckham, Anna J., <i>Oil City, Pa.</i>	Gamler, Sadie
Cary, Ruth E.	Ganim, Thomas
Castiglione, Samuel J.	Goldfarb, Samuel
Cheplovitz, Max	Hall, B. Catharine
Chernoff, Harry A., <i>Alden</i>	Harbison, William R.
Cherry, Clarissa M.	Heacock, Grace M.
Cohn, Carolyn	Hessinger, Arthur J.
Cummings, Glenn C.	Hoffman, Bernard B.
Dane, Rebecca H.	Jacobs, Louis
Darling, Marion E., <i>Kenmore</i>	Jones, Mollie A., <i>No. Tonawanda</i>
Day, Dorothy C.	Kamner, Mildred, <i>Akron</i>
DeLaney, Mary Ann	Kazmierczak, Theodore F.
Dotterweich, Helen A., <i>Olean</i>	Kelly, Winifred J.
Dunham, Sidney H.	Kovach, Emery

## SOPHOMORES—Continued

Lein, Herbert S., <i>Martinsville</i>	Satuloff, Lillian
MacLeod, E. Violet, <i>No. Tonawanda</i>	Schintzius, William C.
Morris, Allen S., <i>Rochester</i>	Seil, William L.
Nowakowski, Leon I.	Silverberg, Sigmund B.
Peacock, Harleigh S.	Sloan, Helen K.
Pelowski, Edward S.	Stark, Edith N.
Potter, Helen O., <i>Hamburg</i>	Swift, Jeannette D.
Rafle, Philip J., <i>Erie, Pa.</i>	Ulrich, Alfred L. C.
Roth, Abraham	Wagh, John T., <i>Niagara Falls, Ont.</i>
Rowley, Winifred E.	Wheaton, Mildred L.
Sanford, James J., <i>Bath</i>	Williams, G. Maxwell
Satrum, Evelyn M.	Wolf, Norman J.

## FRESHMEN

Alderdice, Hugh M.	Cole, Allen W., <i>Perrysburg</i>
Alessi, Charles	Converse, Frederick H., <i>Stratford, Ct.</i>
Allendorf, Baltzar W.	Coplon, Marion B., <i>Eggertsville</i>
Altman, Samuel	Courtade, Lauren G.
Anderson, Russell G., <i>Taylor, Pa.</i>	Cronan, James P., <i>Oswego, N. Y.</i>
Arcara, Frank R.	Curtis, Louis E., <i>Gouverneur, N. Y.</i>
Bell, Helen M.	Curtiss, Constance E., <i>Corfu</i>
Bickel, Gilbert A.	D'arcangelo, Genevieve C., <i>Niag. Falls</i>
Blakeney, Myron F.	Donovan, James A., <i>Hornell</i>
Blasdell, Bruce J.	Driscoll, Evelyn M.
Brodie, Ernest L., <i>Ridgeway, Ont.</i>	Eckert, Ruth E.
Brown, Helen J., <i>Akron, O.</i>	Elsaesser, Norman W.
Brownell, Katharine A., <i>West Falls</i>	Elster, Robert S.
Buecking, H. Rudolf	Etling, George F.
Bullock, Kenneth J., <i>Cattaraugus</i>	Fairbairn, Virginia W.
Burdick, Bingley L., <i>Wellsville, N. Y.</i>	Feller, Harold M., <i>Wellsville, N. Y.</i>
Burley, William H.	Frank, William J., <i>Watkins, N. Y.</i>
Burns, John W.	Franklin, Clara
Burrell, Walter I., <i>Watkins, N. Y.</i>	Freeman, Sheldon B.
Byrens, Gertrude G.	French, Benedict V.
Caccamise, Samuel A., <i>Rochester</i>	Frisch, Ellen J.
Cain, J. Ralph, <i>Herrings</i>	Funk, Arthur L.
Carel, Frances M., <i>Niagara Falls</i>	Funk, Florence H.
Carlino, Lawrence L., <i>Niagara Falls</i>	Gage, Corinda F.
Carrel, Marvin B.	Gandel, Alexander
Chaikin, Nathan W., <i>Brooklyn, N. Y.</i>	Gerass, Joseph H.
Christen, Henrietta C.	Gilbert, Whitney W.
Cleland, Elizabeth K.	Goetz, Theodore Becker

# FRESHMEN—Continued

Goetzman, Arthur C., <i>LaSalle</i>	Long, Helen
Goldberg, Ruth W.	Louttit, Henry I.
Goldstein, Emanuel	Lyon, Mary P.
Goldstein, Julius J.	McCarthy, John T., <i>Rochester</i>
Goldstein, Marvin M.	MacComb, William S., <i>Mt. Morris</i>
Guminski, Thaddeus E.	McGuire, Myron S.
Haremza, Emil A.	McIntyre, Hugh T.
Hardleben, Jasmine L.	McLaughlin, John R., <i>Elmira, N. Y.</i>
Harlow, Ward C.	Mabee, Mildrid F., <i>Fort Erie</i>
Harris, Evelyn J.	Maderer, Robert, <i>Hoosick Falls, N. Y.</i>
Hickelton, George T., Jr.	Magill, Eunice
Hoffman, Burton A.	Maisel, John J.
Holmes, George H.	Manzella, Anthony J.
Howard, Russell B.	Marsey, Joseph
Hunt, Ernest D., <i>Falconer</i>	Martan, A. Louise, <i>LaSalle</i>
Jahraus, Kenneth G.	Meckfessel, William R., Jr., <i>Rochester</i>
Jekel, Frederick C. M.	Meissner, William W.
Job, Norman W., Jr., <i>Olean</i>	Miller, Eugene C., <i>Niagara Falls</i>
Joseph, Sydney	Miller, Maurice, <i>Elmira, N. Y.</i>
Kaiser, Loren M., <i>Olean</i>	Montgomery, Maurice W., <i>Warsaw</i>
Karner, Rosalie E.	Moore, Everett C., <i>Brooklyn, N. Y.</i>
Katz, Daniel	Morey, John B., <i>Dansville</i>
Kelly, Alta M.	Morrell, Rexford J., <i>Jackson Summit,</i>
Kennedy, Robert E.	<i>Pa.</i>
Kibler, William J., Jr., <i>Tonawanda</i>	Murphy, Gerald E., <i>Bath</i>
Kij, Joseph F., <i>Lackawanna</i>	Naish, Carl W.
King, Glenn S., <i>Olean</i>	Paige, Arnold, <i>Kennedy, N. Y.</i>
King, Merle H.	Painton, Joseph F.
Klein, Jennie D.	Pasquarelle, Amil J.
Knowles, Ward E., <i>Niagara Falls</i>	Payne, Mildred L., <i>Niagara Falls</i>
Koepf, Sheldon W.	Pfennig, Arthur F.
Kolbe, George A.	Pierce, Hugh M., <i>Fredonia</i>
Korniejewski, Aloysius	Pincus, Ethel
Krapf, Clara M.	Plesur, Solomon
Kraus, Mildred M.	Price, Alberta J., <i>Lancaster</i>
Krysztalkiewicz, Joseph G.	Pryor, Evelyn G.
Kuhn, Adelbert D.	Radder, Louis W., <i>Penn Yan</i>
Learman, Selma E.	Reinhardt, Alice L.
Leone, John A., <i>Niagara Falls</i>	Richie, Richard, <i>Bradford, Pa.</i>
Levitan, S. Albert	Roberts, Albert E.
Lewin, Elva	Robinson, M. Arline, <i>Akron</i>
Lindsay, James F., <i>Amsterdam, N. Y.</i>	Rooney, Thomas C., <i>Watkins, N. Y.</i>
Little, John H.	Rose, John A., <i>Batavia</i>
Lloyd, Morris H., <i>Tonawanda</i>	Roth, William

# FRESHMEN—Continued

Rozan, Henry I.	Trosset, Harold R., <i>Utica, N. Y.</i>
Rumbold, Dean W., <i>Tonawanda</i>	Tuck, Stanley H., <i>Tonawanda</i>
Sanjule, Carl K., <i>Tonawanda</i>	Uchim, Ida N.
Schmidlin, Bessie C.	Unger, Herbert S.
Schneckenburger, Howard J., <i>Warsaw</i>	Valone, James T., <i>Bradford, Pa.</i>
Schutt, Alice V.	Wagner, Eunice L., <i>Williamsville</i>
Sherwood, H. Elizabeth	Wagner, Mazie E., <i>Williamsville</i>
Siegel, David	Wagner, Roy E., <i>Rochester</i>
Sikes, Lela M.	Walts, Leon M., <i>Dexter, N. Y.</i>
Smith, Wilbur J., <i>No. Tonawanda</i>	Wardner, Elayne, <i>Lackawanna</i>
Spiller, Arthur M., <i>Kenmore</i>	Wasasier, Harry C.
Sulecki, Charles C.	Werner, Margaret L.
Swannie, George W.	Wesler, M. Gertrude
Tarbox, Charles H., <i>Fredonia</i>	White, Charles L.
Thomas, George M.	Wiser, Henry J., <i>Rochester</i>
Thomson, W. Ross, <i>Warsaw</i>	Ziegler, William P.
Tough, Tracy N., <i>Olean</i>	

## PARTIAL COURSE AND UNCLASSIFIED STUDENTS

- |  |  |
|--|--|
| Abel, Benjamin L.                            | Carney, Augusta, <i>West Falls</i>             |
| Allen, Ruth M.                               | Carrell, Mary F.                               |
| Allespach, Herman E., <i>Eggertsville</i>    | Chamberlain, Ella H.                           |
| Alpern, Evelyn E.                            | Childs, David H., B.S. ( <i>Lehigh</i> )       |
| Alverson, Donald R., <i>Dansville</i>        | Childs, Ethel G.                               |
| Anderson, Anton                              | Chittenden, Annie P.                           |
| Anderson, Jeannette                          | Chur, Julia H.                                 |
| Andler, Mathilde L., <i>Springville</i>      | Churchill, May T.                              |
| Andrus, Leon R., <i>North Evans</i>          | Cioli, Della                                   |
| Baldwin, Agnes N.                            | Clark, Harry L.                                |
| Ballard, Grace G.                            | Coan, Ethel M.                                 |
| Bardey, Stephen                              | Cockburn, Esther D.                            |
| Bear, Anna                                   | Cohen, Mrs. Elsa W.                            |
| Bender, Bessie M., <i>Ebenezer</i>           | Cohen, Esther G.                               |
| Bender, Hilda M., <i>Ebenezer</i>            | Cohen, Etta                                    |
| Bender, Jeannette E., <i>Ebenezer</i>        | Cohen, Jacob I.                                |
| Bender, Ray, <i>Ebenezer</i>                 | Cohen, Mildred                                 |
| Benson, Carrie                               | Cole, Leonard J.                               |
| Benstock, Margaret                           | Collins, Esta R.                               |
| Beuther, Edward J.                           | Cook, Flora                                    |
| Beyer, Frank A.                              | Coonly, Dora F.                                |
| Bissell, Frederick O., Jr.                   | Corell, Alice F.                               |
| Boeckel, Antoinette C.                       | Coveney, Mary L.                               |
| Bonnar, Margaret E.                          | Cowen, Cheryl L.                               |
| Borman, Edith I.                             | Crofoot, Beulah L.                             |
| Bower, Rosella M.                            | Cummins, Mary A.                               |
| Boynton, Margaret B., B.A. ( <i>Vassar</i> ) | Cutting, Della                                 |
| Boynton, Richard W.                          | Cyphers, Elizabeth L.                          |
| Brady, Eva G.                                | Day, Helen M., B.A., ( <i>Cornell</i> )        |
| Braun, C. Harold                             | Dayman, Aubrey                                 |
| Brogan, Mabel M.                             | Decker, Charles G.                             |
| Brown, Helen H.                              | Deters, Emma E.                                |
| Brown, Helen I.                              | DeViney, G. Herbert, B.S., ( <i>U. of B.</i> ) |
| Bruce, Margaret                              | Dickson, Elizabeth                             |
| Buckley, Helen V.                            | Dimmick, Artemas D.                            |
| Bugbee, Orrin C.                             | Drefs, Laurinne A.                             |
| Bunz, Edna L.                                | Dudek, Anthony J.                              |
| Burg, Lucy C.                                | Dunnigan, Mabel                                |
| Burton, Helen L.                             | Duval, Juliette                                |
| Butler, Harriet L.                           | Dwelle, Mrs. Ausburn D.                        |
| Cadwell, James L.                            | Eberhardt, Dora                                |
| Caney, Mae E.                                | Edwards, Mrs. Isabel M.                        |



PARTIAL COURSE AND UNCLASSIFIED STUDENTS—Continued

Engel, LaVerne	Hellriegel, Leroy J.
Erisman, Grace	Hepp, Thelma M.
Eustace, Charles G.	Herlan, Ethel H.
Exstein, Emma M.	Hickman, Martha K.
Faber, A. Louise	Hill, Sibyl A.
Feist, Elvira	Hodges, Dorothy P.
Fillmore, Maconda M., B.S. ( <i>U. of B.</i> )	Hooole, Robert S.
Finley, Mildred D.	Hughes, Elizabeth E.
Fitts, Florence	Hultin, Viola C.
Fix, Julia E.	Human, Byron S., <i>Niagara Falls</i>
Folts, Lavina	Hunter, Mrs. Christine
Ford, Julia L.	Jackson, Marion W., <i>Lancaster</i>
Forster, Viola M.	Jakubowska, Sophie
Foss, Marion K., <i>East Aurora</i>	James, Ada
Foulke, Mildred P.	James, Alice
Fox, Sophia N.	Jamieson, Jessie M.
Franklin, Hazel I.	Johnson, Irene S.
French, Edwin W.	Johnson, Mrs. Maude C.
Frye, Mrs. Minnie B.	Jones, Gladys D.
Fuchs, M. Cornelia	Joor, William G., <i>Chicago, Ill.</i>
Fuller, Emilie G.	Kamprath, Ferdinand
Gamble, Agnes J.	Karлак, Nellie
Gannon, George E.	Kennedy, Elsie M., <i>North Evans</i>
Gibson, Virginia	Kennedy, Myra P., <i>North Evans</i>
Gillette, Alethe	Kerr, Helene
Gilmore, Janet O.	Kimmins, E. Florence
Gilray, Phyllis A.	King, Warren L.
Goeghan, Agnes E.	Kirk, Nellie
Goetz, Eleanore J.	Klein, Alma B.
Goldstein, Bessie, B.A. ( <i>Cornell</i> )	Klinck, Charles C.
Gottsch, Edward D.	Knell, Louis J., M.D., ( <i>U. of B.</i> )
Grant, Helen A.	Kneubuehl, Clara
Greenberg, Leya	Kohn, Mrs. Lillian R.
Greenough, Lauretta M.	Kolbe, Mrs. Melo F.
Greenough, Wallace	Krieger, Laura B. M.
Greenwood, Mrs. John W.	Kumro, Donald M., <i>Tonawanda</i>
Grupe, Edith V.	Kurtzman, George
Gullo, Charles	Lange, Mrs. Emma S.
Gunther, Lelia V.	Lasch, Herman K. F.
Guptil, Mary E.	Lawrence, Edward T., <i>Dunkirk</i>
Haas, Albert K.	Layman, Sylvia
Haas, Evelyn M.	Leary, Elizabeth I.
Hackett, Etta M. H.	Lee, Mary A.
Hawkins, Ruth, <i>Orchard Park</i>	Leidt, Edna J.

PARTIAL COURSE AND UNCLASSIFIED STUDENTS—Continued

Leonard, Emma	Olstowski, Joseph G.
Lester, Florence G.	Orton, M. Althea, <i>North Tonawanda</i>
Levine, Nathan	O'Shei, William
Liddell, Mary	Pape, Florence
Lieber, Margaret C., B.A., ( <i>Univ. of Rochester</i> )	Paris, Cora H.
Lindsay, Frances M.	Paris, Florence E.
Lodge, Emma L.	Parke, Mrs. Fenton M.
Lovejoy, Maude T.	Parke, Mrs. Roberta R.
Ludwig, Mary L.	Parker, Helen L., <i>Niagara Falls</i>
Luther, Mrs. N. R.	Parker, Inez S.
Lynch, Loretta E.	Patti, Mary
McConnell, Saville	Peacock, Margaret A.
McDowell, Melvin A.	Pettit, Frances E.
McMichael, Helen C.	Phelps, Louis G., <i>Whitesboro, N. Y.</i>
McNett, Eugenie	Phillippi, Joseph F., B.A., ( <i>U. of B.</i> )
Mache, Charles L.	Poole, Eloise J., <i>Lockport</i>
Madigan, Mary	Pooley, Marion E.
Mathieson, David L.	Rands, Marion L.
Maurer, Lydia A.	Reagan, Richard A.
Mayer, Mrs. Ruth H.	Redmill, G. Herbert
Merington, Mary E.	Reed, Catherine E., B.A. ( <i>Syracuse University</i> )
Mevius, Ida M.	Reimherr, Laura M.
Michel, Camille B.	Reimherr, Lillian P.
Minns, Laura J.	Reissig, Mrs. Arthur
Mitchell, Roswell H.	Riches, Frances A.
Mockler, Marie	Roach, Cornelia B.
Moeser, Frank	Robillard, Mrs. Jessie C., <i>Niag. Falls</i>
Morey, Mrs. Alison H.	Rogers, Edith A.
Morningstar, M. Margaret	Roller, William W.
Muelke, Herman G.	Rosenthal, David
Mullen, Margaret M.	Russell, Jean E.
Munson, Emma C.	Ryan, Helen E.
Murphy, Helen E.	Sangster, Cora S.
Nairn, Bessie M.	Satuloff, Sophie R.
Nash, Alan H.	Schaefer, Viola E.
Nassoy, S. Elizabeth	Schanzer, Ida E.
Nelson, Alice	Schelbach, Alma E.
Nelson, T. Harriett	Schieb, John A.
Nicol, Allen H.	Schlenker, May E.
Norris, Helen, <i>Attica</i>	Schurr, Marjorie A., <i>Clarence</i>
Norton, Louise V.	Schwenger, Bertha C.
Nowak, Joseph F.	Seel, Lillie S.
Olmstead, Helen M.	Seyfang, Bertha

PARTIAL COURSE AND UNCLASSIFIED STUDENTS—Continued

Shalters, Frank B., Jr.	Trant, Amelia Earle, M.D. ( <i>U. of B.</i> )
Shapleigh, Mrs. Elizabeth, B.A. ( <i>Wes-</i> <i>leyan</i> )	Troidl, Mrs. Nellie, <i>Niagara Falls</i>
Silverberg, Alice E.	Turnbull, Jessie
Silverberg, Celia	Ulbrich, Clara
Smallenburg, Ella C.	Underwood, Florence
Smith, N. Dwight, <i>Middleport</i>	Van Arsdale, Mary M.
Smith, Richard L., <i>Trumansburg, N.Y.</i>	Walker, Lillian W.
Snyder, George P., <i>Alden</i>	Wallace, Mrs. Maude L.
Sommer, Mrs. Augusta W.	Wamsley, Paul, B.S. ( <i>U. of B.</i> )
Sonnabend, Isaac	Ward, Alice M.
Speidel, Anna	Warner, Bernardine L.
Spinner, Lena	Wasson, Elizabeth D.
Sporr, Mrs. Ella K.	Watkins, Mary E.
Stahl, Gertrude C., <i>Lancaster</i>	Weber, Kate B.
Stahl, Harold J., <i>Orchard Park</i>	Weimar, Ida K.
Stanley, Mary M.	Weis, Helen
Stanley, William H.	Werner, Cora J.
Staples, Mrs. Esther A.	Whalley, Arthur W.
Stewart, May	Wheat, Mildred E.
Stickney, Richard W.	Wheeler, Winifred A.
Storer, Mrs. James	Wilber, Bertha S.
Strunk, Robert L.	Wilcox, Lillian A.
Summey, Dorothy	Willax, Otto M.
Susser, Sidonie E.	Wilson, Helen L.
Sutherland, Hattiebel	Wood, Frank B.
Swannie, John	Woodworth, Isabelle A.
Terry, Lucretia	Wurtz, Edna F.
Thomas, Erica L.	Zdarsky, Joseph
Thomson, Elizabeth I.	Zingsheim, Alice M.
Tingler, Alice M., <i>Ebenezer</i>	Zink, Anna M.
	Zittel, Lelia B.

## LIBRARY SCIENCE STUDENTS

(Including those registered since the last catalogue and for the summer.  
Those with a year or more of college work are so designated.)

Alack, Bertha	Kuhfahl, Amelia M.
Aldrich, Ruby E.	Lautz, Marie
Anderson, Marion	Little, John H.
Barrett, Margaret, A.B. ( <i>Trinity,</i> <i>Washington</i> )	Lord, Frances McMichael
Bartholomew, Ruth ( <i>Oberlin</i> )	Michel, Camille B.
Chi, Chen-to, ( <i>Peking Teachers Col-</i> <i>lege</i> ), Mukden, China	Murphy, Helen E.
Cohn, Carolyn ( <i>U. of B.</i> )	Murray, Pauline
Curtiss, Emily M., A.B. ( <i>Vassar</i> ), <i>Fort Erie</i>	Payne, Mildred, <i>Niagara Falls</i>
Filsinger, Doris L.	Poole, Eloise J., ( <i>William Smith</i> ), <i>Lockport</i>
Foote, Marion N., <i>Hamburg</i>	Pusch, Reinold
Fredericks, Myra D.	Rapp, Marie F.
Gamsby, Dorothy B., A.B., ( <i>Mt. Hol-</i> <i>yoke</i> )	Raymond, Dorothy
Garber, L. Olive	Redmill, G. Herbert
Gibbons, Edna K.	Rice, Margery L., ( <i>Elmira College</i> )
Gibson, Clara H., B.A. ( <i>Smith</i> )	Roach, Margaret
Goembel, Louise C.	Ross, Margaret B., A.B. ( <i>Vassar</i> )
Hershiser, Marion E., ( <i>U. of B.</i> ), <i>Kenmore</i>	Schoepflin, Irma M., B.S. ( <i>Syracuse</i> <i>Univ.</i> )
Hill, Caroline E., ( <i>Univ. of Pitts-</i> <i>burgh</i> ), <i>Greensburg, Pa.</i>	Schraft, Edith S.
Holmes, Katherine S., A.C. ( <i>U. of B.</i> ) <i>Cobalt, Ont.</i>	Simmons, Laurence V., ( <i>Univ. of</i> <i>Wyoming</i> ), <i>Franklinville</i>
Keil, Emma R. ( <i>Univ. of Michigan</i> ), <i>North Tonawanda</i>	Then, Eleanor A.
Klose, E. Laurine	Tompkins, Marion
	Ulrich, Anna C., B.S. ( <i>U. of B.</i> )
	Van Arnam, Anna E.
	Van Arnam, Jane I.
	Webster, Frances M., <i>Town Line</i>
	Wilson, Helen L.

## SUMMER SESSION, 1921

Abbott, Charles W.	Bensman, Clarence H.
Agnew, Mary C. H.	Bingham, Alfred H.
Alexander, Mertie C., <i>Memphis, Tenn.</i>	Bingham, Alice
Babcock, Olive E.	Bonnar, M. Clarine
Bachman, John P.	Bonnar, Margaret E.
Banas, Albert P.	Briggs, Pearl A.
Bates, Margaret E., <i>Akron</i>	Brown, Helen H.
Bell Anna L.	Bunz, Edna L.
Bender, Jeannette E., <i>Ebenezer</i>	Burg, Lucy C.

# SUMMER SESSION—Continued

Burton, Helen	Ingram, Isabelle R.
Cameron, Donald E.	Jacobs, Irene H.
Clark, Harry L.	Jakubowska, Sophie
Costello, John F., B.A.	Kadetsky, Alvin B.
Croll, Dorothy	Karlak, Nellie
Cutting, Della	Kelley, Ruth C.
Davis, M. Elsie, B.S.	Kennedy, Elsie M., <i>North Evans</i>
Decker, Charles G.	Kennedy, Myra P., <i>North Evans</i>
Denecke, Lena S.	Kimmins, E. Florence
DeViney, Clara F.	King, Warren L.
Donson, Edward W., <i>Lockport</i>	Knoll, Floyd A.
Douglass, Matthew M.	Kolbe, Melo F.
Driscoll, Evelyn M.	Kost, Herbert G.
Dry, Richard R., B.A.	Land, Adelle H.
Dunnigan, Mabel M.	Leege, H. Charles, <i>Gardenville</i>
Ehrhart, Anna, <i>Modeltown</i>	Levine, Nathan
Eisenberger, John P., M.D.	Lincoln, Wilbert J., <i>North Tonawanda</i>
Estry, William	McCarthy, John T., <i>Rochester</i>
Farber, Marvin	McDowell, Melvin A.
Farber, Sidney	Martin, James E., <i>Rochester</i>
Farrar, Emmons B., B.A.	Mathews, William E., <i>Niagara Falls</i>
Fleming, John W.	Meckfessel, William R., Jr., <i>Rochester</i>
Folsom, Frances L.	Meinhold, Albert A.
Foulke, Ruth M.	Meyers, Ruth D., <i>North Tonawanda</i>
Gage, Corinda F.	Miller, M. Virginia, B.A., <i>Niagara Falls</i>
Gannon, George	Moss, Mabel E., <i>Gowanda</i>
Geoghan, Agnes E.	Mott, Lawrence
Gielow, Elsa S.	Muelke, Herman G.
Gielow, Lina	Muldoon, Arthur, <i>Niagara Falls</i>
Goetz, Theodore B.	Munson, Emma C.
Gorton, Geraldine	Naish, Carl W.
Grabau, Elizabeth S.	Nicol, Allan H.
Grabau, Martin	Noxsel, Evelyn M.
Greene, Kenneth D., B.A.	Pantera, Anthony S.
Greenwood, John W., B.S.	Paris, Florence E.
Grupe, Edith V.	Paul, Vera E.
Gustina, Francis J., <i>Waverly, N. Y.</i>	Peacock, Margaret A.
Gutman, Milton R.	Peck, Albert F.
Haft, Frank P.	Phillippi, Joseph F., B.A., <i>Hamburg</i>
Harbison, William R.	Pierce, Helen L.
Harrington, Carlos E., M.E.	Porter, Ellen L.
Hegedus, Nicholas A., <i>Lackawanna</i>	Price, Gwendolyn M.
Hofmeister, Eugene	Pritchard, Florence E.
Hudson, Laura M., <i>East Aurora</i>	



# SUMMER SESSION—Continued

Quackenbush Dorothy M.	Stevenson, Marion A.
Reichel, Leo M.	Swannie, George W.
Reimherr, Lillian P.	Swift, Charles B., <i>Hamburg</i>
Robillard, Mrs. Jessie C., <i>Niag. Falls</i>	Tallman, Frank P.
Rosenthal, Rose	Taylor, Grace
Rumbold, Viola, <i>Tonawanda</i>	Taylor, Jennie M.
Ryan, Mary, <i>Niagara Falls</i>	Thomson, W. Ross, <i>Warsaw</i>
Schieb, Bernard	Thurstone, Kenneth B.
Schieb, John A.	Townsend, Richard E.
Schneider, George A.	Tuck, Robert S., <i>Tonawanda</i>
Seil, William L.	Tuck, Stanley H., <i>Tonawanda</i>
Seyfang, Bertha P.	Walker, L. Dean, <i>North Brookfield,</i>
Smith, Carlos W., <i>LaSalle</i>	<i>N. Y.</i>
Sommer, Mrs. Augusta W.	Wardner, Elayne, <i>Lackawanna</i>
Sonnabend, Isaac	Wasasier, Harry C.
Speidel, Anna	Weisner, Laura M.
Sporr, Mrs. Ella K.	Werner, Cora J.
Stacy, Mabel M.	Wilner, Ortha L., B.A.
Stanley, Ada K.	
Stark, Edith	
	Total Summer Session, 142.

## Total Exclusive of Summer Session

Graduate Students .....	17
Seniors .....	38
Juniors .....	19
Sophomores .....	64
Freshmen .....	175
Special Students .....	318
Library Science Students .....	47
Duplicates .....	9
	<hr/>
Net Total (exclusive of Summer session) .....	669

# Alumni Associations

The alumni of the University of Buffalo are organized in their respective departmental associations, six in number; the Federated Alumni Association, comprising all the departments; and five district branch associations, composed of all graduates in their respective localities.

## ALUMNI ASSOCIATION OF THE COLLEGE

This association was organized on October 28, 1920, and includes as members all who have received graduate or undergraduate degrees in Arts, Science, or Philosophy.

### Officers 1921-22

<i>President</i> .....	ALBERT P. SY, Ph.D. '08
<i>Vice-President</i> .....	BEULAH C. HITZEL, B.S. '21
<i>Secretary</i> .....	ANNA C. ULRICH, B.S. '20
<i>Treasurer</i> .....	KATHERINE E. SULLIVAN, B.S. '21

## FEDERATED ALUMNI ASSOCIATION

This association was organized on University Day (February 22), 1915, and comprises the alumni of all the departments of the University. It is managed by the House of Delegates, consisting of three representatives from each department, viz.: the president of each departmental association, one member at large appointed by him, the Dean of the department; together with the presidents of the district branch associations. The president of the Federated Association is respectively the president of the departmental association in order of seniority. The eighth annual meeting will be held in Buffalo on Wednesday evening, February 22, 1922.

### Officers 1921-22

<i>Honorary President</i> .....	LESSER KAUFFMAN, M.D. '04
<i>President</i> .....	ALBERT P. SY, Ph.D. '08 (President, Arts Alumni)
<i>Vice-President</i> .....	W. RAY MONTGOMERY, D.D.S. '03 (President, Dental Alumni)
<i>Secretary</i> .....	A. BERTRAM LEMON, Phar.G. '13 (Delegate, Pharmacy Alumni)
<i>Treasurer</i> .....	MOREY C. BARTHOLOMEW, LL.B. '09 (Delegate, Law Alumni)

## **ANNOUNCEMENTS OF THE PROFESSIONAL DEPARTMENTS FOR 1922-23**

A copy of the catalogue of each department will be sent on application to the registrar.

### **MEDICAL DEPARTMENT**

The 76th regular session begins September 25, 1922. The only medical school in a city of 506,000 population; clinical facilities at twelve hospitals and dispensaries; 15,000 volumes in library; ample number of annual hospital appointments in the city; faculty of over 100. Extensive opportunities for study in laboratories, hospital wards, and dispensaries. Two-year college entrance requirement.

### **DEPARTMENT OF PHARMACY AND ANALYTICAL CHEMISTRY**

The 37th regular session begins September 25, 1922, in the new Foster Hall. Three courses of instruction are offered—Pharmacy, Analytical Chemistry, and Post-Graduate, leading respectively to the degrees of Ph.G.; A.C.; Phar. M., and Ph.C. The post-graduate course consists of an additional year's work following the completion of the two-year pharmacy course, and leads to the degree of Pharmaceutical Chemist or Master of Pharmacy. The pharmacal, chemical, pharmacognocal, microscopical, and other laboratories are completely equipped for instruction. The analytical chemistry laboratories are also complete in equipment, and field work is ample, due to the various industries in and about Buffalo.

### **DEPARTMENT OF LAW**

The 32nd regular session begins September 25, 1922. The course is one of three years, leading to the degree of Bachelor of Laws, and affords a practical legal training, fitting the student for immediate work upon graduation. The School occupies the entire building at 77 West Eagle Street, situated opposite the City and County Hall and in close proximity to the City Court Building, which constitute the laboratories of the law student.

### **DEPARTMENT OF DENTISTRY**

The 31st regular session begins September 25, 1922, in the building erected for this department on Goodrich Street, adjoining the building of the department of Medicine, Pharmacy and Chemistry. Every facility for the study of dentistry in all its branches has been provided, the equipment being adequate in every respect. Special attention is given to practical work, the infirmary furnishing an abundance of clinical material.

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CALENDAR-1922													
JANUARY.							JULY.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
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12	13	14	15	16	17	18	13	14	15	16	17	18	19
19	20	21	22	23	24	25	20	21	22	23	24	25	26
26	27	28	..	..	..	..	27	28	29	30	31	..	..
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14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	30	31	..	..	..	26	27	28	29	30	..	..
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JUNE.							DECEMBER.						
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11	12	13	14	15	16	17	10	11	12	13	14	15	16
18	19	20	21	22	23	24	17	18	19	20	21	22	23
25	26	27	28	29	30	..	24	25	26	27	28	29	30
..	..	..	..	..	..	..	31	..	..	..	..	..	..





# APPLICATION FOR ADMISSION

The undersigned hereby applies for admission to the University of Buffalo, and submits the following information, for the accuracy of which he vouches:

Admission is desired to the	{	B. A.	Course
[Check Course Desired]		B. S.	
		Engineering	
		Pre-Medical	
		Pre-Dental	
		Library Science	
		Partial	

(If the candidate is applying for admission to any other department of the University, application therefor should be addressed to the registrar of the department concerned.) Please write very plainly.

Date of Application.....

Name in full.....  
(First name) (Middle) (Last)

Date of birth.....and place.....

Home or permanent address: Street.....  
City and State.....

Present (Buffalo) address.....

Name of parent or guardian (and address, if different from yours)  
.....  
.....

High School or Academic course attended (name of school)  
.....

Number of years attended..... Year graduated.....  
If applicant has ever been in attendance at any college, university, or professional school, its name and location should be stated, with dates of attendance .....

**No obligation is incurred by filing this application, which should be sent (preferably prior to September 1) to the**

**REGISTRAR, COLLEGE OF ARTS AND SCIENCES,  
UNIVERSITY OF BUFFALO.**

The candidate's admission is dependent on the presentation and approval by the Committee on Admissions of the Statement Required for Admission, filled out by the school authorities and certified to by the principal of the secondary institution last attended. Until it is received matriculation is only provisional. See page 15.







# University Statistics, 1921-1922

DEPARTMENT	Founded	Number of Faculty	Number of Students	Years in Course	Degrees Conferred through 1921	
Medicine .....	1846	127	212	4	M. D.,	2845
Pharmacy .....	1886	12	168	2-3	Ph. G.,	824
					Phar. B.,	353
					Phar. M.,	30
					Phar. D.,	6
					Ph. C.,	10
Law .....	1887	27	190	3	LL. B.	852
					LL. M.,	12
Dentistry .....	1892	45	178	4	D. D. S.,	1308
Pedagogy .....	1895*				Pd. B.,	5
					Pd. M.,	1
					Pd. D.,	2
Analytical Chemistry...	1906	15	51	3	A. C.,	187
Arts and Sciences.....	1913	32	669	4	Ph. D.	1
					B. S.,	16
					B. A.,	6
					B. S. in M.,	3
		258	1468			6461

\*Discontinued in 1898.

\*\*Deducting duplications, 238.